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

Plan Template

API BULLETIN D16
FIFTH EDITION, APRIL 2011

AMERICAN PETROLEUM INSTITUTE

Suggested Procedure for Development of a Spill Prevention, Control, and Countermeasure (SPCC) Plan

TEMPLATE

API BULLETIN D-16
FIFTH EDITION, APRIL 2011

American Petroleum Institute

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SPILL PREVENTION, CONTROL, AND COUNTERMEASURE PLAN

(Facility Name)

(Facility Location)

(Type of Facility)

(Operator Name)

(Address)

(Address)

(Owner Name; If Different Than Operator)

(Address)

(Address)

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NON TECHNICAL AMENDMENTS

- Non-technical amendments are not certified by a Professional Engineer.
- Examples of changes include, but are not limited to, phone numbers, name changes, or any non-technical text change(s).

TECHNICAL AMENDMENTS

- Technical amendments are certified by a Professional Engineer (§112.5(c)).
- Examples of changes include, but are not limited to, commissioning or decommissioning containers; replacement, reconstruction, or movement of containers; reconstruction, replacements, or installation of piping systems; construction or demolition that might alter secondary containment structures; changes of product or service; or addition/deletion of standard operation or maintenance procedures related to discharge prevention measures. It is the responsibility of the facility to determine, and confirm with the regulatory authority as necessary, what constitutes a technical amendment. The rule requires a technical amendment only "when there is a change (§112.5(a)) that materially affects the facility's potential to discharge oil".
- An amendment made under this section will be prepared within six (6) months of the change and implemented as soon as possible but not later than six (6) months following preparation of the amendment.
- Technical Amendments affecting various pages within the plan can be PE certified on those pages, certifying those amendments only, and will be documented on the log form below.

MANAGEMENT REVIEW

- Management will review this SPCC Plan at least each five (5) years and document the review on the form below (§112.5(b)).
- By signature below, signor confirms that management has completed a review and evaluation of this SPCC Plan.

Review/ Amend Date	Signature* (Specify)	Amend Plan (will/will not)	Description of Review/Amendment	Affected Page(s)	P.E. Certification (Y/N)

* Typically signed by Manager, Professional Engineer or plan reviewer.

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§112.10(d)	Blowout prevention (BOP)	N/A
§112.11	Requirements for offshore oil drilling, production, or workover facilities	N/A
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§112.11(b)	Facility drainage	N/A
§112.11(c)	Sump systems	N/A
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§112.9	Requirements for onshore production facilities	N/A
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§112.11(l)	Manifolds	N/A
§112.11(m)	Flowlines, pressure sensing devices	N/A
§112.11(n)	Piping; corrosion protection	N/A
§112.11(o)	Sub-marine piping; environmental stresses	N/A
§112.11(p)	Inspections of sub-marine piping	N/A

☐ OFFSHORE OIL DRILLING, PRODUCTION, OR WORKOVER FACILITY – REGULATORY CROSS-REFERENCE		
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§112.8(c)	Bulk storage containers	N/A
§112.8(d)	Facility transfer operations, pumping, and facility process	N/A
§112.9	Requirements for onshore production facilities	N/A
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SECTION ONE

General Information

1.0 General Information

1.1 Management Approval

Management Approval

Owner/Operator responsible for facility: ______________________________

Facility Name and Location: ______________________________

____

I hereby approve the contents of the facility's Spill Prevention, Control, and Countermeasure Plan (SPCC Plan) and have the authority to commit the necessary resources to implement the SPCC Plan, as set forth in this document, in accordance with the federal requirements of 40 CFR part 112.

Signature: ____________________

Name: ____________________

Date: ____________________

Title: ____________________

Designated person accountable for oil spill prevention at the facility:

Name: ____________________

Title: ____________________

I hereby approve the contents of the facility's Spill Prevention, Control, and Countermeasure Plan (SPCC Plan) and have the authority to commit the necessary resources to implement the SPCC Plan, as set forth in this document, in accordance with the federal requirements of 40 CFR part 112.

Signature: ____________________

Name: ____________________

Date: ____________________

Title: ____________________

Designated person accountable for oil spill prevention at the facility:

Name: ____________________

Title: ____________________

I hereby approve the contents of the facility's Spill Prevention, Control, and Countermeasure Plan (SPCC Plan) and have the authority to commit the necessary resources to implement the SPCC Plan, as set forth in this document, in accordance with the federal requirements of 40 CFR part 112.

Signature: ____________________

Name: ____________________

Date: ____________________

Title: ____________________

Designated person accountable for oil spill prevention at the facility:

Name: ____________________

Title: ____________________

1.2A Professional Engineer Certification ☐ N/A ☐

Professional Engineer Certification

By means of this Professional Engineer Certification, I hereby attest, to the best of my knowledge and belief, to the following:

- I am familiar with the requirements of 40 CFR part 112 and have verified that this Plan has been prepared in accordance with the requirements of this Part.
- I or my agent have visited and examined the facility(s).
- I have verified that this Plan has been prepared in accordance with good engineering practice, including consideration of applicable industry standards.
- I have verified that the required inspection and testing procedures have been established as described in Section 2.
- I have verified that the Plan is adequate for the facility.

_____

Printed Name of Registered Professional Engineer

_____

(Seal) Signature of Registered Professional Engineer

Date: _____ Registration No.: _____ State: _____

1.2B Professional Engineer Certification (with Produced Water Attestation) ☐ N/A ☐

Professional Engineer Certification

By means of this Professional Engineer Certification, I hereby attest, to the best of my knowledge and belief, to the following:

- I am familiar with the requirements of 40 CFR part 112 and have verified that this Plan has been prepared in accordance with the requirements of this Part.
- I or my agent have visited and examined the facility(s).
- I have verified that this Plan has been prepared in accordance with good engineering practice, including consideration of applicable industry standards.
- I have verified that the required inspection and testing procedures have been established as described in Section 2.
- I have verified that the Plan is adequate for the facility.
- I have verified that for produced water container(s) subject to §112.9(c)(6), the procedure to minimize the amount of free-phase oil is designed to reduce the accumulation of free-phase oil and procedures and frequency for required inspections, maintenance and testing have been established and are described in the Plan.

_____

Printed Name of Registered Professional Engineer

_____

(Seal) Signature of Registered Professional Engineer

Date: _____ Registration No.: _____ State: _____

1.2C Tier II Qualified Facility Certification ☐ N/A ☐

Self-Certification

By means of this Self-Certification, I hereby attest, to the best of my knowledge and belief, to the following:

- I am familiar with the requirements of 40 CFR part 112.
- I have visited and examined the facility(s).
- I have verified that this Plan has been prepared in accordance with accepted and sound industry practices and standards, and with the requirements of this part.
- I have verified that the procedures for required inspections and testing have been established.
- I will fully implement the Plan.
- The Facility meets the Tier II criteria in §112.3(g)(2).
- The Plan does not deviate from any requirement of 40 CFR part 112 as allowed by §112.7(a)(2) and 112.7(d) or include measures pursuant to §112.9(c)(6) for produced water containers and any associated piping, except as provided in §112.6(b)(3).
- The Plan and individual(s) responsible for implementing the Plan have the full approval of management and the facility owner or operator has committed the necessary resources to fully implement the Plan.

_____

Printed Name / Title

Date: _____

_____

Signature

1.2D Professional Engineer Certification of Portions of a Qualified Facility's Self-Certified Plan ☐ N/A ☐

Professional Engineer Certification

By means of this Professional Engineer Certification, I hereby attest, to the best of my knowledge and belief, to the following:

- I am familiar with the requirements of 40 CFR part 112.
- I or my agent have visited and examined the facility(s).
- I have verified that this ☐ alternate method of environmental equivalence in accordance with 40 CFR Part 112.7(a)(2) or the ☐ determination of impracticability and alternative measures in accordance with 40 CFR Part 112.7(d) has been prepared in accordance with good engineering practice, including consideration of applicable industry standards.
- Description of P.E. Certification: _____

_____

_____

_____

Printed Name of Registered Professional Engineer

_____

(Seal) Signature of Registered Professional Engineer

Date: _____ Registration No.: _____ State: _____

1.3 Substantial Harm Certification (excerpt from 40 CFR part 112 - Attachment CII)

CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA

FACILITY NAME: _____
FACILITY ADDRESS: _____
_____

1. Does the facility transfer oil over water to or from vessels ***and*** does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

   ☐ YES ☐ NO

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons ***and*** does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?

   ☐ YES ☐ NO

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons ***and*** is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to 40 CFR part 112 or a comparable formula[1]) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Plans: Fish and Wildlife and Sensitive Environments" (59 FR 14713, March 29, 1994) and the applicable Area Contingency Plan.

   ☐ YES ☐ NO

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons ***and*** is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to 40 CFR part 112 or a comparable formula [1]) such that a discharge from the facility would shut down a public drinking water intake[2]?

   ☐ YES ☐ NO

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons ***and*** has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?

   ☐ YES ☐ NO

CERTIFICATION
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

_____ _____
Signature Title

_____ _____
Name (please type or print) Date

1 If a comparable formula is used, documentation of the reliability and analytical soundness of the comparable formula must be attached to this form.

2 For the purposes of 40 CFR part 112, public drinking water intakes are analogous to public water systems as described at 40 CFR 143.2(c).

1.4 Contact List and Phone Numbers

The contact list and phone number reference for the facility is provided as follows (check as appropriate):

☐ Contact List and Phone Number reference is provided in Appendix A to this Plan.
☐ Emergency Notification Phone List is provided in the Facility Response Plan (FRP): _____

1.5 Notification Data Sheet

A Notification Data Sheet is provided as follows (check as appropriate):

☐ Notification Data Sheet
☐ Notification Data Sheet Form provided in the Facility Response Plan (as described in Section 1.4).

Note: In the event this facility experiences a reportable spill of 1,000 gallons or more or two (2) reportable spills of greater than 42 gallons each within a 12-month period, an Agency Notification to Regional Administrator for Qualified Discharge(s) (see Appendix A) will be submitted to the Regional Administrator within 60 days.

1.6 Personnel, Training, and Discharge Prevention Procedures

Training

- The Facility provides the following minimum training to oil-handling personnel prior to assignment of job responsibilities:
  - Operation and maintenance of equipment to prevent oil discharges;
  - Oil discharge procedure protocols;
  - Applicable oil spill prevention (State & Federal) laws, rules, and regulations;
  - General facility operations; and,
  - The contents of the facility SPCC Plan and applicable pollution control laws, rules, and regulations.

  The training program is further described as follows: _____

1.6 Personnel, Training, and Discharge Prevention Procedures (Cont'd)

Briefings

- The facility conducts prevention briefings for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan for the facility. These briefings include:

  - Discussion of potential or known discharges;
  - Component failures; and
  - Precautionary measures.

  The briefing program is further described as follows: _____

  _____

  _____

  _____

Documentation

- Documentation of these Personnel, Training, and Discharge Prevention Briefing programs is maintained for a minimum period of three (3) years. Log forms are provided as follows:

- Training Logs are provided in ☐ Appendix B or ☐ Other (describe): _____

  _____

  _____

  _____

- Discharge Prevention Briefing Logs are provided in ☐ Appendix B or ☐ Other (describe): _____

  _____

  _____

  _____

- *Reference supporting documentation maintained separately, as appropriate:* _____

  _____

  [*Additional pages may be attached as necessary.*]

1.7 Facility Layout and Diagram

1.7.1 Facility Layout

- The physical layout of the facility is described as follows: _____

- Further details are provided in Section 2 - Container and Potential Spills Table.

1.7.2 A Facility diagram ☐ is attached (Appendix C) with the following detail and location information (as applicable):

- Process equipment, operating equipment, electrical equipment.
- Loading/unloading racks.
- Loading/unloading areas.
- Fixed aboveground storage containers.
- Transfer stations and connecting lines, including intra-facility gathering lines.
- Completely buried and bunkered tanks (including USTs covered under 40 CFR part 280 or 281).
- Mobile and portable container storage areas.
  The contents of all containers are provided in Section 2 – Container and Potential Spills Table.

1.8 Prevention, Response and Cleanup

Prevention

- The facility discharge prevention measures, including procedures for routine handling of products (loading, unloading, facility transfers, etc.), are described as follows:
  ☐ Facility Response Plan ☐ Other Document (Describe) or ☐ Details below: _____

- *Reference other supporting procedures maintained separately, as appropriate:* _____

Countermeasures

- The facility discharge discovery, response and cleanup capabilities are described as follows:
  ☐ Facility Response Plan ☐ Other Document (Describe) or ☐ Details below: _____

- *Reference other supporting documentation maintained separately, as appropriate*: _____

- The resources available to the facility for discharge cleanup are provided in the
  ☐ Contact List (provided in Appendix A) or the ☐ Facility Response Plan

- *Reference supporting documentation maintained separately, as appropriate:* _____

[*Additional pages may be attached as necessary.*]

1.8 Prevention, Response and Cleanup (Cont'd)

Disposal

- The facility has established the following methods of disposal for recovered materials in accordance with applicable legal requirements (check all that apply):

  ☐ Facility Response Plan ☐ Other Document (Describe) or ☐ Details below: _____

- *Reference supporting documentation maintained separately, as appropriate:* _____

  [*Additional pages may be attached as necessary.*].

1.9 Impracticability (as applicable)

The containment and/or diversionary structures or equipment to prevent a discharge ☐ **are** ☐ **are not** practicable.

If not, the following provides a description of the impracticability. _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Refer to the Container and Potential Spills Table in Section 2 for additional details.

- **If not** practicable, ☐ an oil spill contingency plan is attached (provided in Appendix D) or ☐ is addressed by the Facility Response Plan.
- A written commitment of manpower, equipment and materials required to expeditiously control and remove any quantity of oil discharged is provided in ☐ Appendix D or in the ☐ Facility Response Plan.
- If containment and/or diversionary structures are impracticable for bulk storage containers (associated with tanks), then periodic integrity testing of the container(s) and integrity and leak testing of the valves and piping is required.
- *Reference supporting documentation maintained separately, as appropriate:* _____

  _____

  [*Additional pages may be attached as necessary.*]

1.10 Deviations to Rule

☐ The facility has no deviations to the rule.

☐ The facility has identified various deviations from the rule and the equivalent environmental protection to support the deviations. The deviations, and the reasons for the deviations, are summarized ☐ below or ☐ in the appropriate sections of this plan. _____

1.11 Conformance with other Requirements

Describe conformance with other applicable requirements and effective discharge prevention and containment procedures in-place at the facility. Include a description of compliance with more stringent State rules, regulations, and guidelines, if any: _____

- *Reference supporting documentation maintained separately, as appropriate:* _____

[*Additional pages may be attached as necessary.*].

SECTION 2A

Onshore Facilities (Excluding Production) Information

2A.1 Container and Potential Spill Sources Table

- The potential spills sources (containers 55 gallons or more) at the facility are summarized in the following table:

Oil Source	Associated Substance (Contents) *(Oil)*	Source Capacity *(Bbls)*	Potential Failure	Rate of Flow *(Bbls/hr)*	Direction of Flow	Containment System(s)*
Aboveground Fixed Containers						
Completely and Partially Buried Tanks (Not Covered by 40 CFR Parts 280/281)						
Mobile and Portable Containers or Storage Areas						
Oil-Filled Operational Equipment (Transformers, Hydraulic Equipment, etc.)						
Oil-Filled Manufacturing Equipment (Flow-Through Process Equipment)						
Truck or Rail Loading/Unloading Rack						
Truck or Rail Loading/Unloading Areas						
Other Potential Spill Sources (Piping, Surface Impoundments, etc.)						

- The material and construction of bulk storage containers ☐ **are** compatible with the material stored and conditions of storage such as pressure and temperature.

- All bulk storage container installations ☐ **are** ☐ **are not** constructed so that a means of secondary containment is provided for the entire capacity of the largest single container and sufficient freeboard to contain precipitation. **If not**, describe the "impracticability" under Section 1.9.

- Diked areas (e.g. dikes, containment curbs, catchment basin) ☐ **are** sufficiently impervious to contain discharged oil.

- Visible discharges, which result in a loss of product from containers, will be promptly corrected and any accumulations of oil in the diked area(s) will be promptly removed.

* See Sec. 2A.3.1 and D16 Guidance (Exhibit E – Secondary Containment Analysis) for further details.

[*Additional pages may be attached as necessary.*].

2A.2 Bulk Storage Containers

2A.2.1 Completely and Partially Buried Tanks (Not Otherwise Exempted by Part 112)

- The facility ☐ **does** ☐ **does not** have completely buried metallic storage tanks that were installed on or after January 10, 1974, or that are not covered by 40 CFR Parts 280/281.
  - **If yes** ("does"), corrosion protection is provided by ☐ protective coatings and/or ☐ cathodic protection (compatible with local soil conditions) or ☐ other: _____.
  - Completely buried tanks ☐ **are** regularly leak tested.
- The facility ☐ **does** ☐ **does not** have partially buried or bunkered metallic tanks (Parts 280/281 Tanks are not exempt from this requirement).
  - **If yes**, corrosion protection is provided by ☐ protective coatings and/or ☐ cathodic protection (compatible with local soil conditions) or ☐ other: _____.
- The facility ☐ **does** ☐ **does not** have exempted underground oil storage tanks that supply emergency diesel generators at a nuclear power generation facility licensed by the Nuclear Regulatory Commission (NRC) and subject to any NRC provision regarding design and quality criteria, including, but not limited to 10 CFR part 50

2A.2.2 Mobile or Portable Oil Storage Containers

- Mobile or portable oil storage containers, except for mobile refuelers and other non-transportation-related tank trucks, ☐ **are** ☐ **are not** located at the facility (Note: 55-gallon drums and totes are examples of mobile or portable containers).
  - **If yes** ("are"), secondary containment ☐ **is** ☐ **is not** provided which is adequately sized to contain the largest single compartment or container plus sufficient freeboard for precipitation. See Sec. 2A.3.1 for details. If secondary containment is not provided, document the impracticability in Section 1.9.

2A.2.3 Internal Heating Coils

- The facility ☐ **does** ☐ **does not** utilize internal heating coils. **If yes**, internal heating coil leakage is controlled by (check method that applies):

  ☐ Monitoring of steam return and exhaust lines for contamination, or passing the steam return or exhaust lines through a settling tank or other separation system.

  ☐ Steam return or exhaust lines do not discharge into an open water course.

  ☐ Equivalent environmental protection described as follows: _____

  _____

  _____

  _____

  _____

2A.2.4 Fail Safe Precautions

- Container installation(s) are engineered with at least one of the following devices (check all that apply):

  ☐ High liquid level alarm with an audible or visual signal at a constantly attended operation or surveillance station. In smaller facilities an audible air vent may suffice.

  ☐ High liquid level pump cutoff devices set to stop flow at a predetermined container content level.

  ☐ Direct audible or code signal communication between the container gauger and the pumping station.

  ☐ Fast response system for determining the liquid level of each bulk storage container (i.e. digital computer, telepulse, direct vision gauge). Note: If this alternative is used, a person must be present to monitor gauges and the bulk container.

  ☐ Equivalent environmental protection described as follows:

  _____
  _____
  _____
  _____

2A.3 Facility Containment, Drainage and Effluent Treatment

2A.3.1 Secondary Containment Systems

Containment ID	Drainage Method	Type of Containment and Material of Construction
Aboveground Fixed Containers		
Completely and Partially Buried Tanks (Not otherwise Exempted by Part 112)		
Mobile and Portable Containers or Storage Areas		
Operational Equipment (Transformers, Hydraulic Equipment, etc.)		
Oil-Filled Manufacturing Equipment (Flow-Through Process Equipment)		
Truck or Rail Loading/Unloading Rack		
Truck or Rail Loading/Unloading Areas		
Other Potential Spill Sources (Piping, Surface Impoundments, etc.)		

- Drainage from diked storage area(s) is restrained by manually operated valves, pumps, ejectors, other: _____

  (Note: Flapper-type valves may not be used.)

- *Reference supporting documentation maintained separately, as appropriate:* _____

  [*Additional pages may be attached as necessary.*]

2A.3.2 Facility Diked Drainage to Surface Waters without Facility Treatment System

- Manually operated valves ☐ **are** ☐ **are not** ☐ **N/A, no valves** normally kept closed and ☐ **are** ☐ **are not** resealed following drainage.
- Manually activated pumps ☐ **are** ☐ **are not** ☐ **N/A, no pumps** normally kept off and ☐ **are** ☐ **are not** placed in operation following drainage.
- Describe valve operation or equivalent environmental protection: _____

_____

_____

2A.3.3 Facility Drainage to Effluent Treatment System

- Drainage waters ☐ **are** ☐ **are not** ☐ **N/A** treated in more than one (1) treatment unit.
  - **If yes**, and treatment is continuous, two lift stations ☐ **are** ☐ **are not** provided with at least one permanently installed.
  - **If not**, describe equivalent environmental protection: _____

    _____
- *Reference supporting documentation maintained separately, as appropriate:* _____

  _____

2A.3.4 Effluent Treatment System

- The facility ☐ **does** ☐ **does not** treat water prior to discharge off site. **If yes**, the measures in-place to ensure that system upsets are detected are described as follows: _

_____

_____

_____

2A.3.5 Facility Undiked Drainage to Surface Waters

- The facility ☐ **does** ☐ **does not** have the potential to discharge into undiked areas.
  - **If yes**, The facility undiked areas ☐ **do** ☐ **do not** flow to ☐ ponds ☐ lagoons ☐ catchment basins ☐ other: _____
  - **If not**, describe equivalent environmental protection: _____

2A.3.5 Facility Undiked Drainage to Surface Waters (Cont'd)

- Describe undiked area drainage or, **if not** addressed, describe equivalent environmental protection: _____

_____

_____

2A.3.6 Oil-Filled Equipment

- The facility ☐ **does** ☐ **does not** have qualified oil-filled operational equipment, as defined by §112.7(k), without general secondary containment as defined by §112.7(c).

If yes (does), the alternative requirements to general secondary containment include:

☐ Facility Inspection Procedures or ☐ Monitoring program to detect equipment failure and/or a discharge.
☐ Oil Spill Contingency Plan per 40 CFR part 109 or ☐ Facility Response Plan under §112.20
☐ Written commitment of manpower, equipment, and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful.

- For unqualified oil-filled operational equipment, and for qualified oil-filled operational equipment with general secondary containment as defined by §112.7(c), general secondary containment is provided by (check all that apply):

☐ Dikes, berms, or retaining walls.
☐ Curbing or drip pans.
☐ Sumps and collection systems.
☐ Culverting, gutters, or other drainage systems.
☐ Weirs, booms, or other barriers.
☐ Spill diversion ponds.
☐ Retention ponds.
☐ Sorbent materials.
☐ Earthen or natural structures that can contain and prevent discharges.
☐ Other: _____

2A.4 Facility Transfer Operations, Pumping and Facility Process

2A.4.1 Facility Piping

- The facility ☐ **does** ☐ **does not** have buried piping. Corrosion protection for all new and replaced buried piping is provided as follows (check all that apply):
  - ☐ Protective wrapping and coating
  - ☐ **If wrapping/coating is not provided,** describe equivalent environmental protection: _____

    _____
  - ☐ Cathodic protection or satisfy the corrosion protection standards in 40 CFR Part 280 or 281
  - ☐ **If cathodic protection is not provided,** describe equivalent environmental protection: _____

    _____

2A.4.1 Facility Piping (Cont'd)

- When a pipe section is exposed, it is inspected for deterioration. If corrosion damage is found, additional examination is undertaken and corrective action taken as indicated by the magnitude of the damage.

- Describe the facility piping systems (aboveground and buried): _____

_____

_____

2A.4.2 Out of Service Piping

- Piping terminal connections ☐ **are** ☐ **are not** capped or blank-flanged and marked when the piping is not in service or in standby service for extended periods. **If not**, describe equivalent environmental protection: _____

_____

_____

2A.4.3 Pipe Supports

- Pipe supports ☐ **are** ☐ **are not** properly designed to minimize abrasion and corrosion and allow for expansion and contraction. **If not**, describe equivalent environmental protection: _____

_____

_____

_____

2A.4.4 Vehicle Warnings

- Vehicles ☐ **are** ☐ **are not** warned ☐ orally, by ☐ signs, with ☐ bumper guards, or ☐ other methods to be sure that no vehicle will endanger aboveground piping or other oil transfer operations. Describe vehicle warning systems/procedures or describe equivalent environmental protection. _____

_____

_____

_____

2A.5 Facility Tank Car & Tank Truck Loading/Unloading Rack(s) and Area(s)

- The Facility ☐ **does** ☐ **does not** have a tank truck loading/unloading rack.
- The Facility ☐ **does** ☐ **does not** have a tank car (rail) loading/unloading rack.

If yes to either, proceed with the following sections 2A.5.1 through 2A.5.3. If no, proceed to section 2A.5.4. See the Guidance Document that precedes this template for clarification of a loading/unloading rack.

2A.5.1 Tank Car & Tank Truck Containment Systems for Loading/Unloading Rack(s)

- Loading/unloading rack drainage ☐ **does** ☐ **does not** ☐ **N/A** flow into a catchment basin, treatment facility, or a quick drainage system designed to handle discharges.

- The containment system ☐ **does** ☐ **does not** ☐ **N/A** hold the maximum capacity of any single compartment of a tank car or tank truck loaded or unloaded at the facility. Describe containment system design, construction materials, and volume (if the containment system does not hold the maximum capacity, then document the impracticability in Section 1.9):_____

- Refer to the Container and Potential Spills Table in Section 2A.1 for additional details.

2A.5.2 Prevention of Premature Vehicular Departure from Rack(s)

- The methods, procedures, and/or equipment used to prevent premature vehicular departure include (Check all that apply):

☐ ***Interlocked warning lights,***
☐ ***Warning signs,***
☐ ***Vehicle brake interlock systems,***
☐ ***Physical barrier systems,***
☐ ***Wheel chocks,***

- Describe these and/or other premature vehicular departure prevention equivalent environment protection measures (for each rack):

2A.5.3 Drain and Outlet Inspection for Rack(s)

- Drains and outlets on tank trucks and tank cars ☐ **are** ☐ **are not** ☐ **N/A** checked for leakage before loading/unloading or departure and, if necessary, are tightened, adjusted or replaced. **If not**, describe equivalent environmental protection: _____

[*Additional pages may be attached as necessary for multiple truck or rail loading/unloading rack operations.*]

2A.5.4 Facility Tank Car and Tank Truck Loading/Unloading Area(s)

- Tank truck loading/unloading (excluding rack described above) ☐ **does** ☐ **does not** occur at the facility.
- Tank car (rail) loading/unloading (excluding rack described above) ☐ **does** ☐ **does not** occur at the facility.

2A.5.4 Facility Tank Car and Tank Truck Loading/Unloading Area(s) (Cont'd)

If yes to either, the containment and/or diversionary structure for the loading/unloading area(s) include (check all that apply):

- ☐ Dikes, berms, or retaining walls.
- ☐ Curbing or drip pans.
- ☐ Sumps and collection systems.
- ☐ Culverting, gutters, or other drainage systems.
- ☐ Weirs, booms, or other barriers.
- ☐ Spill diversion ponds.
- ☐ Retention ponds.
- ☐ Sorbent materials.
- ☐ Earthen or natural structures that can contain and prevent discharges.
- ☐ Other: _____

Describe the containment and/or diversionary system: _____

_____

2A.6 Security

- Perimeter Security

  - ☐ Facility fully fenced.
  - ☐ Discrete areas directly involved in the handling, processing, and storage of oil are fenced.
  - ☐ Gates are locked when unattended.
  - ☐ Gates are guarded.
  - ☐ Gates are accessed by card entry system.
  - ☐ Monitored by video surveillance system.
  - ☐ Describe other security and access control measures for oil handling, processing, and storage areas: _____

    _____

- Master Flow and Drain Valve Security

  - ☐ Valves are manually controlled.
  - ☐ Valves are controlled by automation system.
  - ☐ Valves are locked in closed position when in non-operating or non-standby status.
  - ☐ Describe other methods to secure master flow and drain valves: _____

    _____

    _____

    _____

- Out-of-Service Loading/Unloading Connections of Oil Pipelines

  - ☐ Loading/unloading connections of oil pipelines are securely capped or blind-flanged when not in service or standby service for an extended time.
  - ☐ Product supply pumps are operated by qualified personnel.

☐ Starter controls are accessible only to authorized personnel.

2A.6 Security (Cont'd)

☐ Describe security measures for out-of-service and loading/unloading connections: _____

_____

_____

_____

- Security Lighting

☐ Exterior lighting provides coverage of operating areas.
☐ The facility is illuminated by ☐ building lighting ☐ pole-mounted floodlights ☐ sensor ☐ timer.
☐ Describe other security lighting measures: _____

_____

_____

_____

2A.7 Inspections, Tests and Records

Container Testing and Inspections

☐ Company Tank/Container Integrity Program provided in Appendix E.
☐ Company Tank/Container Integrity Program maintained separately. Reference supporting documentation, as appropriate: _____

_____

_____

- Describe the facility aboveground bulk storage container integrity testing and inspection program. Include industry standard(s), appropriate qualifications for personnel performing tests and inspections, inspection frequency, records of inspections and any equivalent environmental protection:

_____

_____

_____

_____

- In the event that a field-constructed aboveground container undergoes a repair, alteration, reconstruction, or a change in service, the container ☐ **will** be evaluated for the risk of discharge or failure due to brittle fracture or other catastrophe.

2A.7 Inspections, Tests and Records (Cont'd)

- Describe the facility leak testing program for completely buried tanks. Include frequency, records of inspections and any equivalent environmental protection: _____

- Describe the frequency and method to test liquid level sensing devices: _____

Buried Piping Integrity and Leak Testing

- Buried piping ☐ **is** ☐ **is not** present.

- Integrity and leak testing of buried piping is performed at the time of ☐ installation, ☐ modification, ☐ construction, ☐ relocation, or ☐ replacement.

Aboveground Piping Examination

- All aboveground valves and piping (including flange joints, expansion joints, valve glands and bodies, catch pans, pipe supports, locking of valves, and metal surfaces) are regularly examined.

  Describe the facility piping inspection program (and integrity and leak testing, as appropriate). Include inspection frequency, records of inspection and any equivalent environmental protection: _____

Dike Drainage Inspections

- Describe the procedure for supervising the drainage of rainwater from secondary containment into a storm drain or an open watercourse. Include description of (a) inspection for pollutants and (b) method of valving security: _____

2A.7 Inspections, Tests and Records (Cont'd)

Other Applicable Inspections

- Describe other applicable facility inspections, including effluent discharge inspections and inspections of effluent bypassing systems, if applicable: _____

Documentation:

- Inspection and test records are provided in Appendix B.
- *Reference supporting documentation maintained separately, as appropriate:* _____

SECTION 2B

Onshore Oil Production

2B.1 Container and Potential Spills Table

- The potential spills sources at the facility are summarized in the following table:

Oil Source	Associated Substance (Contents) *(Oil)*	Source Capacity *(Bbls)*	Potential Failure	Rate of Flow *(Bbls/hr)*	Direction of Flow	Containment System(s)
Aboveground Fixed Containers						
Completely and Partially Buried Tanks (Not Covered by 40 CFR Parts 280/281)						
Mobile and Portable Containers or Storage Areas						
Operational Equipment (Transformers, Hydraulic Equipment, etc.)						
Flow-Through Process Vessels (Separator, Heater Treater, Gun Barrel, etc.)						
Truck or Rail Loading/Unloading Rack						
Truck or Rail Loading/Unloading Areas						
Other Potential Spill Sources (Piping Flowlines, Surface Impoundments, produced water etc.)						

- The material and construction of bulk storage containers ☐ **are** compatible with the material stored and conditions of storage such as pressure and temperature.
- All bulk storage container installations ☐ **are** ☐ **are not** constructed so that a means of secondary containment is provided for the entire capacity of the largest single container plus sufficient freeboard to contain precipitation. **If not**, describe the "impracticability" under Section 1.9.
- Diked areas ☐ **are** sufficiently impervious to contain discharged oil. Describe construction of fixed containment areas: _____
- There ☐ has ☐ has been a history of container failure at the facility.

[*Additional pages may be attached as necessary.*].

2.B.2 Bulk Storage Containers

- The tank battery installation is provided with at least one of the following (Check all that apply):

  ☐ Container capacity is adequate to assure that a container will not overfill if a pumper/gauger is delayed in making regularly scheduled rounds.

  ☐ Overflow equalizing lines exist between containers so that a full container can overflow to an adjacent container.

  ☐ Vacuum protection is adequate to prevent container collapse during a pipeline run or other transfer of oil from the container.

  ☐ High level sensors generate and transmit an alarm signal to the computer where the facility is subject to a computer production control system.

- If none of the above is in-place, describe equivalent environmental protection: _____

_____

_____

_____

2B.3 Facility Drainage

- Tank battery and separation and treating area dike/containment drains ☐ **are** ☐ **are not** closed and sealed at all times except when draining uncontaminated rainwater. Describe the operation of the drains and, **if not** closed and sealed, describe equivalent environmental protection: _____

_____

_____

_____

- Describe the measures that are employed to ensure contaminated rainwater is not discharged from the containment areas (include description of (a) inspection for pollutants and (b) method of valving security): _____

_____

_____

_____

- If oil is detected in containment areas or in field drainage systems, describe the removal procedures and the disposition of the recovered product: _____

_____

_____

_____

2B.3 Facility Drainage (Cont'd)

- Drainage from undiked areas ☐ **is** ☐ **is not** confined in a catchment basin or holding pond. If confinement of these undiked areas is not practicable, refer to Appendix D (contingency plan) and document a written commitment of manpower, equipment and materials to control and remove any quantity of oil discharged that may be harmful. Describe undiked area confinement, as applicable:

_____

_____

_____

2B.4 Facility Transfer Operations

2B.4.1 Flowlines and Intra-Facility Gathering Lines

- The facility ☐ **does** ☐ **does not** have sized secondary containment for flowlines and intra-facility gathering lines.

  ☐ If yes ("does"), proceed to Section 2B.4.2.
  ☐ If no ("does not"), the facility has an oil spill contingency plan (Appendix D) as described under 40 CFR part 109.

2B.4.2 Saltwater Disposal Facilities

- The facility ☐ **does** ☐ **does not** have a saltwater disposal facility. **If so** ("does"), details of inspection are provided in Section 2B.6.

2B.4.3 Flowline Maintenance Program

☐ Flowlines and intra-facility gathering lines and associated valves and equipment are compatible with the type of production fluids, their potential corrosivity, volume, pressure, and other conditions expected in the operational environment.
☐ Flowlines and gathering lines and associated appurtenances are visually inspected and/or tested on a periodic and regular schedule for leaks, oil discharges, corrosion, or other conditions that could lead to a discharge as described in §112.1(b).

- Describe the facility flowline maintenance program: _____

_____

_____

_____

2B.5 Facility Tank Car & Tank Truck Loading/Unloading Rack(s) and Area(s)

- The Facility ☐ **does** ☐ **does not** have a tank truck loading/unloading rack.
- The Facility ☐ **does** ☐ **does not** have a tank car (rail) loading/unloading rack.

If yes to either, proceed with the following subsections 2B.5.1 through 2B.5.3. If no, proceed to section 2B.5.4.

2B.5.1 Tank Car & Tank Truck Containment Systems for Loading/Unloading Rack(s)

- Loading/unloading rack drainage ☐ **does** ☐ **does not** flow into a catchment basin, treatment facility, or a quick drainage system designed to handle discharges.

- The containment system ☐ **does** ☐ **does not** hold the maximum capacity of any single compartment of a tank car or tank truck loaded or unloaded at the facility. Describe containment system design, construction materials, and volume (if the containment system does not hold the maximum capacity, then document the impracticability in Section 1.9): _____

  _____

- Refer to the Container and Potential Spills Table in Section 2B.1 for additional details.

2B.5.2 Prevention of Premature Vehicular Departure at Loading/Unloading Rack(s)

- The methods, procedures, and/or equipment used to prevent premature vehicular departure include (Check all that apply):

☐ ***Interlocked warning lights,***	☐ ***Physical barrier systems,***
☐ ***Warning signs,***	☐ ***Wheel chocks,***
☐ ***Vehicle brake interlock systems,***	☐ **Other:** _____

- Describe these and other premature vehicular departure prevention measures (for each area):

_____

_____

_____

_____

_____

2B.5.3 Drain and Outlet Inspection for Loading/Unloading Rack(s)

- Drains and outlets on tank trucks and tank cars ☐ **are** ☐ **are not** checked for leakage before loading/unloading or departure and, if necessary, are tightened, adjusted or replaced. **If not**, describe equivalent environmental protection: _____

  _____

  _____

  _____

  _____

  _____

  [*Additional pages may be attached as necessary for multiple truck and rail loading/unloading rack operations.*]

2B.5.4 Facility Tank Car and Tank Truck Loading/Unloading Area(s)

- Tank truck loading/unloading ☐ **does** ☐ **does not** occur at the facility.
- Tank car (rail) loading/unloading ☐ **does** ☐ **does not** occur at the facility.

If yes to either, the containment and/or diversionary structure for the loading/unloading area(s) include (check all that apply):

☐ Dikes, berms, or retaining walls.
☐ Curbing or drip pans.
☐ Sumps and collections systems.
☐ Culverting, gutters, or other drainage systems.
☐ Weirs, booms, or other barriers.
☐ Spill diversion ponds.
☐ Retention ponds.
☐ Sorbent materials.
☐ Earthen or natural structures that can contain and prevent discharges.

2B.6 Inspections, Tests and Records

- Records of the inspections, tests, corrective actions or repair orders (including those maintained under usual and customary business practices), signed by the appropriate supervisor or inspector are retained on file for a minimum period of three (3) years. (Note: Existing inspections and tests kept under usual and customary business practices will suffice if approved by the certifying engineer).

- *Reference supporting documentation maintained separately, as appropriate:* _____

  _____

- Inspection and test records are provided in Appendix B.

- Each container of oil ☐ **is** visually inspected for deterioration and maintenance needs, including the foundation and support of each container located on or above the surface of the ground.

2B.6 Inspections, Tests and Records (Cont'd)

- In the event that a field-constructed aboveground container undergoes a repair, alteration, reconstruction, or a change in service, the container ☐ **will** be evaluated for the risk of discharge or failure due to brittle fracture or other catastrophe.

2B.6.1 Oil Containers

2B.6.2 Flow-Through Process Vessels

- The facility ☐ **does** ☐ **does not** ☐ **N/A** have sized secondary containment for flow-through process vessels.

☐ If yes, the facility is not required to comply with alternate requirements under §112.9(c)(5).
☐ If no, the facility will implement the alternate requirements as follow:
Describe the visual inspection and/or test for flow-through process vessels and associated components (such as dump valves) for leaks, corrosion, or other conditions that could lead to a discharge as described in §112.1. Include inspection and/or test frequency and records._____

_____

_____

_____

- Based on visual inspections, tests, or evidence of an oil discharge, corrective actions or repairs will be made to flow-through process vessels and associated components.

- Any oil discharges from flow-through process vessels are promptly removed or actions are initiated to stabilize and remediate any accumulations.

2B.6.3 Produced Water Containers

- The facility ☐ **does** ☐ **does not** ☐ **N/A** have sized secondary containment for produced water containers.

  ☐ If yes, the facility is not required to comply with alternate requirements under 40 CFR Part 112.9 (c)(6)(i-v).
  ☐ If no, the facility will implement the following PE certified alternate requirements as follows:

- Describe procedures to separate and remove free-phase oil that accumulates on the surface of the produced water. Include discussion of the frequency and amount of free-phase expected to be maintained inside the container:_____

_____

_____

- On a regular schedule, each produced water container and associated piping is visually inspected and/or tested for leaks, corrosion, or other conditions that could lead to a discharge in accordance with good engineering practice.

- Corrective actions are taken or repairs are made whenever to the produced water container(s) and any associated piping when indicated by visual inspections, tests, or evidence of an oil discharge.

- Any accumulations of oil discharges associated with the produced water container(s) are promptly removed or response actions are initiated to stabilize and remediate the discharge.

- Reference supporting documentation maintained separately, as appropriate:_____

2B.6.4 Drainage Systems and Transfer Operations

- Field drainage systems (i.e. field drainage ditches or road ditches) and oil traps, sumps, or skimmers ☐ **are** inspected for accumulations of oil.

- You must promptly remove any accumulations of oil from these systems.

- The facility ☐ **conducts** an inspection of the following aboveground facility transfer operation appurtenances (check all that apply):

☐ Transfer operation piping and valves	☐ Valve glands and bodies
☐ Drip pans	☐ Pipe supports
☐ Pumping well polish rod stuffing boxes	☐ Bleeder and gauge valves
☐ Other: _____	

- The facility ☐ **does** ☐ **does not** ☐ **N/A** conduct an inspection of saltwater disposal facilities.

- The facility has the following inspection and test procedures in-place (describe the procedure, forms, frequency, location of records, etc.): _____

_____

_____

_____

_____

_____

2B.6.5 Oil-Filled Equipment

- The facility ☐ **does** ☐ **does not** have qualified oil-filled operational equipment, as defined by §112.7(k), without general secondary containment as defined by §112.7(c).

If yes (does), the alternative requirements to general secondary containment include:

☐ Facility Inspection Procedures or ☐ Monitoring program to detect equipment failure and/or a discharge.
☐ Oil Spill Contingency Plan per 40 CFR part 109 or ☐ Facility Response Plan under §112.20
☐ Written commitment of manpower, equipment, and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful.

2B.6.5 Oil-Filled Equipment (Cont'd)

- For unqualified oil-filled operational equipment, and for qualified oil-filled operational equipment with general secondary containment as defined by §112.7(c), general secondary containment is provided by (check all that apply):

☐ Dikes, berms, or retaining walls.
☐ Curbing or drip pans.
☐ Sumps and collection systems.
☐ Culverting, gutters, or other drainage systems.
☐ Weirs, booms, or other barriers.
☐ Spill diversion ponds.
☐ Retention ponds.
☐ Sorbent materials.
☐ Earthen or natural structures that can contain and prevent discharges.
☐ Other:_____

Describe the containment and/or diversionary system: _____

_____

_____

SECTION 2C

Onshore Oil Drilling and Workover Facilities

- A new plan is not required each time the facility is moved to a new site.
- The Plan may be generic.

2C.1 Facility Containers

Container and Potential Spills Table

- The potential spills sources at the Facility are summarized in the following table prior to storing oil:

Oil Source	Associated Substance (Contents) *(Oil)*	Source Capacity *(Bbls)*	Potential Failure	Rate of Flow *(Bbls/hr)*	Direction of Flow	Containment System(s)
Aboveground Fixed Containers						
Completely and Partially Buried Tanks						
Mobile and Portable Containers and Storage Areas						
Oil-Filled Operational Equipment (Transformers, Hydraulic Equipment, etc.)						
Process Vessels						
Truck Loading/Unloading Area						
Other Potential Spill Sources (Piping, Surface Impoundments, etc.)						

- All mobile drilling or workover equipment ☐ **are** ☐ **are not** provided with appropriate secondary containment. **If not**, describe the "impracticability" under Section 1.9.

  [*Additional pages may be attached as necessary.*]

2C.2 Positioning of Equipment

- Mobile drilling and workover equipment ☐ **is** ☐ **is not** positioned to prevent a discharge. **If not**, describe equivalent environmental protection: _____

2C.3 Containment

- Describe the containment systems or other diversion structures utilized to intercept and contain discharges of oil (including fuel, crude oil, oil-based drilling fluids, etc.): _____

- Refer to Sec. 2C.1 for additional details.

2C.4 Blowout Prevention (BOP) Assembly

- A blowout preventer (BOP) assembly and well control system capable of controlling any well-head pressure that may be encountered while that BOP assembly and well control system are on the well ☐ **is** ☐ **is not** installed before drilling below any casing string or during workover operations. **If not**, describe equivalent environmental protection: _____

2C.5.1 Facility Tank Truck Loading/Unloading Rack

Not applicable to mobile drilling and workover facilities.

2C.5.2 Facility Tank Car and Tank Truck Loading/Unloading Area(s)

- Tank truck loading/unloading ☐ **does** ☐ **does not** occur at the facility.
- Tank car (rail) loading/unloading ☐ **does** ☐ **does not** occur at the facility.

If yes to either, the containment and/or diversionary structure for the loading/unloading area(s) include (check all that apply):

☐ Dikes, berms, or retaining walls.
☐ Curbing or drip pans.
☐ Sumps and collection systems.
☐ Culverting, gutters, or other drainage systems.
☐ Weirs, booms, or other barriers.
☐ Spill diversion ponds.
☐ Retention ponds.
☐ Sorbent materials.
☐ Earthen or natural structures that can contain and prevent discharges.

2C.5.3 Oil-Filled Equipment

- The facility ☐ **does** ☐ **does not** have qualified oil-filled operational equipment, as defined by §112.7(k), without general secondary containment as defined by §112.7(c).

If yes (does), the alternative requirements to general secondary containment include:

☐ Facility Inspection Procedures or ☐ Monitoring program to detect equipment failure and/or a discharge.
☐ Oil Spill Contingency Plan per 40 CFR part 109 or ☐ Facility Response Plan under §112.20
☐ Written commitment of manpower, equipment, and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful.

- For unqualified oil-filled operational equipment, and for qualified oil-filled operational equipment with general secondary containment as defined by §112.7(c), general secondary containment is provided by (check all that apply):

☐ Dikes, berms, or retaining walls.
☐ Curbing or drip pans.
☐ Sumps and collection systems.
☐ Culverting, gutters, or other drainage systems.
☐ Weirs, booms, or other barriers.
☐ Spill diversion ponds.
☐ Retention ponds.
☐ Sorbent materials.
☐ Earthen or natural structures that can contain and prevent discharges.
☐ Other:_____

Describe the containment and/or diversionary system: _____

_____

_____

2C.6 Inspections, Tests and Records

- The facility has the following inspection and test procedures in-place (describe the procedure, forms, location of records, etc.): _____

- In the event that a field-constructed aboveground container undergoes a repair, alteration, reconstruction, or a change in service, the container ☐ **will** be evaluated for the risk of discharge or failure due to brittle fracture or other catastrophe.

- Records of the inspections and tests (including those maintained under usual and customary business practices), signed by the appropriate supervisor or inspector are retained on file for a minimum period of three (3) years. (Note: Existing inspections and tests kept under usual and customary business practices will suffice if approved by the certifying engineer).

- *Reference supporting documentation maintained separately, as appropriate:* _____

- Inspection and test records are provided in Appendix B.

SECTION 2D

Offshore Oil Drilling, Production, or Workover Facility

2D.1 Facility Containers

Container and Potential Spills Table

- The potential spills sources at the facility are summarized in the following table:

Oil Source	Associated Substance (Contents) *(Oil)*	Source Capacity *(Bbls)*	Potential Failure	Rate of Flow *(Bbls/hr)*	Direction of Flow	Containment System(s)
Aboveground Fixed Containers						
Mobile and Portable Containers and Storage Areas						
Oil-Filled Operational Equipment						
Other Potential Spill Sources						

[*Additional pages may be attached as necessary.*]

2D.2 Facility Operations

2D.2.1 Separator and Treater Dump Valves

- This facility ☐ utilizes ☐ does not utilize a separator or treater system with dump valves which predominantly fail to the closed position and where pollution risk is high. If so, ("utilizes") complete the remainder of this section. If not, skip to Section 2D.2.2.
- The facility flare line ☐ **does** ☐ **does not** (☐ ***N/A***) extend to a diked area.
- The separator or treater ☐ **is** ☐ **is not** equipped with a high liquid level sensor to automatically shut in wells producing to the separator or treater.
- A parallel redundant dump valve ☐ **is** ☐ **is not** installed.
- Where none of the above is utilized, describe safety equipment and procedures used to prevent discharges when dump valve failure occurs (provide environmentally equivalent protection): _____

_____

_____

_____

_____

_____

2D.2.2 Atmospheric or Pressurized Storage

- The facility ☐ **does** ☐ **does not** utilize atmospheric storage or surge containers.
  - **If so**, atmospheric storage or surge containers ☐ **are** ☐ **are not** equipped with high liquid level sensors that activate an alarm or control the flow, or otherwise prevent discharges.
- The facility ☐ **does** ☐ **does not** utilize pressure containers.
  - **If the facility does**, pressure containers ☐ **are** ☐ **are not** equipped with high and low pressure sensors that activate an alarm or control flow.
- Describe the corrosion protection in-place for the containers: _____

_____

_____

_____

_____

2D.2.3 Manifolds

- Manifolds (headers) ☐ **are** ☐ **are not** equipped with check valves on individual flowlines. **If not**, describe equivalent environmental protection: _____

_____

_____

_____

2D.2.4 Flowlines

- Flowlines ☐ **are** ☐ **are not** equipped with high pressure sensing devices and shut-in valve at the wellhead if shut-in well pressure is greater than the working pressure of the flowline and manifold valves up to and including the header valves. **If not**, describe equivalent environmental protection: _____

_____

_____

_____

2D.2.5 Piping Corrosion Protection

- The facility provides the following corrosion protection for piping is provided as follows (check all that apply):

  ☐ Protective wrapping and coating
  ☐ **If wrapping/coating is not provided,** describe equivalent environmental protection: _____

  _____

  ☐ Cathodic Protection or satisfy the corrosion protection standards in 40 CFR part 280 or 281
  ☐ **If cathodic protection is not provided,** describe equivalent environmental protection:

  _____

2D.2.6 Sub-marine Piping Appurtenant to the Facility

- Describe measures utilized to protect sub-marine piping from environmental stresses and other activities (i.e. fishing operations): _____

_____

_____

_____

2D.2.7 Surface and Subsurface Well Shut-In Valves and Devices

- Describe the facility surface and subsurface well shut-in valves and devices for each well. Include discussion of their method of activation or control such as pressure differential, change in fluid or flow conditions, combination of pressure and flow, manual or remote control mechanisms: _____

2D.2.8 Blowout Prevention (BOP) Assembly

- A blowout preventer (BOP) assembly and well control system ☐ **is** ☐ **is not** installed before drilling below any casing string or during workover operations. **If not**, describe equivalent environmental protection: _____

- The BOP assembly and well control system ☐ **is** ☐ **is not** capable of controlling wellhead pressure that may be encountered while the BOP assembly and well control system are on the well. **If not**, describe equivalent environmental protection: _____

2D.3 Drainage Collection

2D.3.1 Stormwater Handling Systems

- The facility ☐ **does** ☐ **does not** utilize (☐ **not practicable**) oil drainage collection equipment, with facility drains directed toward a central collection sump, to prevent and control small oil discharges around pumps, glands, valves, flanges, expansion joints, hoses, drain lines, separators, treaters, tanks, and associated equipment in order to prevent the facility from having a discharge. Describe the oil drainage collection system: _____

  - Where drains and sumps **are not** practicable, oil collection equipment ☐ **is** ☐ **is not** ☐ **N/A** emptied frequently to prevent overflow. Describe this collection and removal process or equivalent environmental protection: _____

2D.3.2 Sump System

- This facility ☐ **does** ☐ **does not** utilize a sump system. **If so**, complete the remainder of this section. **If not**, skip to Section 2D.4.

- Describe the operation of the drain and sump system. Include discussion of system sizing/capacity, use of redundant equipment, and how liquids are removed from the system: _____

- A spare pump ☐ **is** ☐ **is not** available.

- Redundant automatic sump pumps and control devices ☐ **are** used.

- Records of the inspections and tests (including those maintained under usual and customary business practices), signed by the appropriate supervisor or inspector are retained on file for a minimum period of three years. (Note: Existing inspections and test kept under usual and customary business practices will suffice if approved by the certifying engineer).

2D.4 Inspections, Tests and Records

- The facility ☐ **has** prepared and maintains a sub-marine piping inspection and testing program. **If not**, describe equivalent environmental protection: _____

- The facility ☐ **has** prepared and maintains a written procedure for scheduled periodic inspection and testing of the facility pollution prevention equipment and systems (including liquid level and pressure sensors, sump pump systems, corrosion prevention equipment, valves, and alarms). **If not**, describe equivalent environmental protection: _____

- Simulated discharges ☐ **are** used to test/inspect human and equipment pollution control and countermeasure systems. **If not**, describe equivalent environmental protection: _____

- The facility has the following inspection and test procedures in-place (describe the procedure, forms, location of records, etc.): _____

- Describe the preventive maintenance inspection and test program to assure reliable operation of the liquid removal system and pump start-up devices: _____

- In the event that a field-constructed aboveground container undergoes a repair, alteration, reconstruction, or a change in service, the container ☐ **will** be evaluated for the risk of discharge or failure due to brittle fracture or other catastrophe.

- Records of the inspections and tests (including those maintained under usual and customary business practices), signed by the appropriate supervisor or inspector are retained on file for a minimum period of three (3) years. (Note: Existing inspections and tests kept under usual and customary business practices will suffice if approved by the certifying engineer).

- *Reference supporting documentation maintained separately, as appropriate:* _____

- Inspection and test records are provided in Appendix E.

APPENDIX A

NOTIFICATION

- Sample Contact List and Phone Numbers
- Sample Notification Data Sheet
- Sample Submittal of Information to Regional Administrator for Qualified Discharge(s)

Sample - Contact List and Phone Numbers

The following is a contact list and phone number reference for the Facility:

Contact	Primary	Alternate
Designated Person Accountable For Oil Spill Prevention and/or Facility Response Coordinator ***Name/Title:*** _____ ***Name/Title:*** _____		
National Response Center	(800) 424-8802	(202) 267-2675
State Agency for Oil Spill Response		
Cleanup Contractors (as applicable):		
Other Federal, State and local agencies (as necessary):		
Other contact references:		

[*Additional pages may be attached as necessary.*]

Sample - Notification Data Sheet

The facility will utilize the following form to relate information in the event of a discharge:

Date: _____ ***Time:*** _____

INCIDENT DESCRIPTION

Reporter's Full Name: _____ ***Position:*** _____
Day Phone Number: _____ ***Evening Phone Number:*** _____
Company: _____ ***Organization Type:*** _____
Facility Address: _____ ***Owner's Address:*** _____
_____ _____
_____ _____
_____

Facility Latitude: _____ ***Facility Longitude:*** _____
Spill Location: _____
(if not at Facility) _____
Responsible Party's Name: _____ ***Phone Number:*** _____
Responsible Party's Address: _____
Source and/or cause of discharge: _____
_____
_____
Nearest City: _____
County: _____ ***State:*** _____ ***Zip code:*** _____
Section: _____ ***Township:*** _____ ***Range:*** _____ ***County:*** _____
Distance from City: _____ ***Direction from City:*** _____
Container Type: _____ ***Container Storage Capacity:*** _____
Facility Oil Storage Capacity: _____
Material:

Total Quantity Released	Water Impact (*YES or NO*)	Quantity into Water

RESPONSE ACTION(S)

Action(s) taken to Correct, Control, or Mitigate Incident: _____
_____
_____
Number of Injuries: _____ ***Number of Deaths:*** _____
Evacuation(s): _____ ***Number Evacuated:*** _____
Damage Estimate: _____
More information about impacted medium: _____
_____

National Response Center (NRC): 1-800-424-8802
Additional Notifications (Circle all applicable): ***State*** ***Other***

NOTE: DO NOT DELAY NOTIFICATION PENDING COLLECTION OF ALL INFORMATION.

Sample - Submittal of Information to Regional Administrator for Qualified Discharge(s)

In the event of a qualified discharge or discharges, this page can be utilized to provide official notification to the Regional Administrator. If the facility has had a discharge or discharges which meet one of the following two criteria, then this report must be submitted to the Regional Administrator within 60 days. (Check as appropriate)

☐ This facility has experienced a reportable discharge as described in §112.1(b) of 1,000 gallons or more.

☐ This facility has experienced two (2) reportable discharges (as described in §112.1(b) of greater than 42 gallons each within a 12-month period.

Facility name and location: _____

Facility contact person (Name, address/phone number): _____

Facility maximum storage or handling capacity: _____

Facility normal daily throughput: _____

Describe the corrective action and countermeasures taken (include description of equipment repairs and replacements): _____

Describe the facility (attach maps, flow diagrams and topographical maps as necessary): _____

Describe the cause of discharge (as described in §112.1(b)) including failure analysis of the system or subsystem in which the failure occurred: _____

Describe the additional preventive measures taken or contemplated to minimize the possibility of recurrence: _____

Other pertinent information: _____

- A copy of this report is also to be sent to the appropriate state agency in charge of oil pollution control activities.

APPENDIX B

LOGS

[Insert Sample Logs and Recordkeeping Forms Here]

APPENDIX C

Facility Diagram
[Insert Diagram Here]

APPENDIX D

Oil Spill Contingency Plan
[Insert Contingency Plan Here, as applicable]

APPENDIX E

COMPANY TANK/CONTAINER INTEGRITY PROGRAM

- **Sample Company Tank/Container Integrity Program**

Sample – Company Tank/Container Integrity Program

ABOVEGROUND CONTAINER INTEGRITY PROGRAM SUMMARY					
INSPECTION TYPE/INDUSTRY STANDARD	FREQUENCY	INSPECTOR QUALIFICATION OR TRAINING	CONTAINER/EQUIPMENT TYPE	DOCUMENTATION	RECORD RETENTION

APPENDIX F

QUALIFIED FACILITIES

- **Tier I Qualified Facility SPCC Template**

eCFR Site

1. Go to the eCFR web site at http://ecfr.gpoaccess.gov
2. Select from the pop-up menu, "Title 40 – Protection of the Environment," and click, "Go"
3. Under "Browse Parts," click on "100-135"
4. Under "Part," click on "112"
5. Scroll down to "Subpart D – Response Requirements" in hypertext. Beneath this heading, click on "Appendix G to Part 112 – Tier I Qualified Facility SPCC Plan."

EPA Tier Template

http://epa.gov/emergencies/content/spcc/tier1temp.htm

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