OILFIELD DISPOSAL FACILITY
OPERATIONS & MAINTENANCE MANUAL
OUTLINE

I Facility Manual

1) Label

A) Name

B) Location

II Table of Contents

III Introduction

A) Purpose

B) Organization

IV Part One, Facility Management

1) Operator

A) Responsibility

B) Organizational Structure

2) Staffing

A) Man Hours

B) Personnel

C) Qualifications

D) Training

3) Permit

A) General

B) Permit & Permit Conditions

C) Facility Drawings

D) Maintenance Versus Modification Guidelines

E) Permit Guidelines

a) Modification

b) New Construction

4) File System

A) Central Location

B) Regulatory Agency Access

C) Records

a) Manifests

b) Sampling

c) Testing

d) Inspection Reports

e) Maintenance Reports

f) Facility Log Books

5) Report System

A) Operator(internal)

a) Submittal Schedule

b) Routing

-Contacts

c) Information

-Manifests

-Sampling

-Testing

-Inspection Reports

-Maintenance Reports

-Facility Log Books

B) Regulatory Agencies

a) Submittal Schedule

b) Contacts

-Names

-Mailing Addresses

c) Information

-Manifests

Skim Pit(s)

Evaporation Pond(s)

-Sampling

Skim Pit(s)

Evaporation Ponds(s)

Monitor Wells

-Testing

Skim Pit(s)

Evaporation Ponds(s)

Monitor Wells

V Part Two, Facility Operations & Maintenance

1) Facility

A) Description

a) Skim Pit(s)

b) Evaporation Pond(s)

c) Monitor Wells

d) Miscellaneous

B) Waste Disposal

a) Authorized/Unauthorized Wastes

b) Manifests

-Incoming Waste

Dates

Description

Sources

Volumes

Test Results(if available)

c) Unloading Area

-Skim Pit

C) Access

a) Business Hours

b) Authorized Personnel

-Operator

-Nonoperator

Regulatory Agencies

Inspections

Others

c) Closure

-Justification

Operational/Permit Conditions

Maintenance

Emergency

-Procedures

Notice

Secure Facility

d) Facility Log Book

-Entry Schedule

2) Skim Pit(s)

A) Description

a) Basic Components

-Flagging

-Unloading Area

-Freeboard Gauge

-Pipe System

-Embankment

-Liner

b) Purpose of Skim Pit(s)

B) Operations

a) Flagging

-Placement

b) Unloading

-Procedures

-Manifests

c) Freeboard

-Gauge Readings

Schedule

-Facility Log Book Entries

Dates

Measurements

-Allowable

Approved Permit Application Design

-Weather Conditions

Impact

-Exceedance

Facility Closure

d) Pipe System

-Procedures(if manually controlled)

e) Oil Recovery(for recycling)

-Removal

Procedure

Schedule

-Manifests

Dates

Volumes

Disposition

f) Sludge Wasting

-Removal

Procedure

Schedule

-Manifests

Dates

Volumes

Disposition

-Sampling

Locations

Procedure

Schedule

Chain of Custody Forms

-Testing

Parameters

Methods

Chain of Custody Forms

Reports

g) Inspections(by operator)

-Schedule

Flagging

Unloading Area

Freeboard

Pipe System

Embankments

Liner

-Reports

Dates

Deficiencies

Recommendations

C) Maintenance

a) Schedule

-Flagging

-Unloading Area

-Freeboard Gauge

-Pipe System

-Embankments

-Liner

b) Reports

-Dates

-Repairs

D) Troubleshooting

3) Evaporation Pond(s)

A) Description

a) Basic Components

-Freeboard Gauge

-Piping System

-Aeration System(if present)

-Embankment

-Liner

b) Purpose of Evaporation Pond(s)

B) Operations

a) Freeboard

-Gauge Readings

Schedule

-Facility Log Book

Dates

Measurements

-Allowable

Permit Application Design

-Weather Conditions

Impact

-Exceedance

Facility Closure

b) Piping System

-Procedures(if manually controlled)

c) Aeration System(if present)

-Procedures

d) Oil Recovery(for recycling)

-Removal

Procedure

-Manifests

Dates

Volumes

Disposition

e) Water Wasting

-Removal

Procedure

-Manifests

Dates

Volumes

Disposition

-Sampling

Locations

Procedure

Schedule

Chain of Custody Forms

-Testing

Parameters

Methods

Chain of Custody

Reports

f) Sludge Wasting

-Removal

Procedure

Schedule

-Manifests

Dates

Volumes

Disposition

-Sampling

Locations

Procedure

Schedule

Chain of Custody Forms

-Testing

Parameters

Methods

Chain of Custody Forms

Reports

g) Inspections(by operator)

-Schedule

Freeboard

Pipe System

Aeration System(if present)

Embankments

Liner

-Reports

Dates

Deficiencies

Recommendations

C) Maintenance

a) Schedule

-Freeboard Gauge

-Pipe System

-Aeration System(if present)

-Liner

-Embankments

b) Reports

-Dates

-Repairs

D) Troubleshooting

a) Oil Carryover

4) Monitor Wells

A) Description

a) Basic Components

-Lock Caps

-Above Ground Protective Casing

-Casing

-Perforations

b) Purpose of Monitor Wells

-Leak Detection, or

-Groundwater Monitoring, or

-Leak Detection & Groundwater Monitoring

B) Operation

a) Sampling

-Procedures

-Locations

-Schedule

-Chain of Custody Forms

b) Testing

-Parameters

Methods

-Chain of Custody Forms

-Reports

c) Inspections(by operator)

-Schedule

Marked

Secured/Locked

Casing Integrity

-Reports

C) Maintenance

a) Schedule

-Markings/Signs

-Locks

-Casing

b) Reports

D) Troubleshooting

5) Miscellaneous

A) Description

a) Grounds

b) Roads

c) Signs

d) Gates

e) Fencing

B) Purpose

a) Access

b) Security

C) Operations

a) Inspections(by operator)

-Schedule

Grounds

Roads

Signs

Gates

Fencing

-Reports

D) Maintenance

a) Schedule

-Grounds

-Roads

-Signs

-Gates

-Fencing

b) Reports

VI Part Three, Facility Emergencies

1) Definitions

A) Emergency

a) Injury

b) Fire

c) Release

-Reference WWQRR Chapters IV & VII

-Reference Permit and Permit Conditions

2) Notification

A) Operator

a) Emergency Coordinator & Alternate

-Phone Numbers

-Addresses

B) Regulatory Agencies

a) Contacts

-Phone Numbers & Addresses

C) Other Emergency Contacts

a) Area Ambulance Service/Hospital

b) WHP

c) County Emergency Response Coordinator

d) County Fire Department

e) County Sheriff's Department

f) Landowner

3) Contingency Plans(for respective emergencies)

A) Procedures

a) Assessment

b) Containment(if applicable)

c) Remediation(if applicable)

d) Facility Closure(if applicable)

e) Documentation

4) Followup

A) Monitoring

a) Monitor Wells

B) Inspection

a) Operator

b) Regulatory Agencies

C) Maintenance

a) Operator

D) Modifications

a) Permit Application Package

E) New Construction

a) Permit Application Package

F) Reporting

a) Internal

b) Regulatory Agencies