

**APPENDIX C**  
**DATA COLLECTION WORKSHEETS**

<b>FACILITY INFORMATION COLLECTION SHEET</b>
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<b>FACILITY:</b>
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**GENERAL INFORMATION:**

TOPIC	INFORMATION/DISCUSSION
ALTERNATE NAMES (old, unofficial, etc.)	
OPERATOR (dept, command, tenant, etc.)	
COMPLIANCE OBLIGATION (mandatory or optional)	
POSITION OF DESIGNATED PERSON (if compliance is mandatory)	
WHAT FACILITY DOES (brief description)	
PHYSICAL PLANT (brief description)	
LOCATION WITHIN HOST INSTALLATION (enough information to find it on a map)	

**SECURITY AT FACILITY:**

SECURITY MEASURE	DISCUSSION
FENCING (of facility or tanks)	
GATES (of facility or tank fencing)	
SECURITY PATROLS (other than usual installation patrols)	
OTHER:	

**UNDIked AREA DRAINAGE:**

TYPE AREA	DESCRIPTION OF HOW DRAINAGE IS CONTAINED/CONTROLLED
DRUM STORAGE	
PARKING	
OTHER:	

**DRAINAGE WATER TREATMENT UNITS:**

TOPIC	DISCUSSION
TYPE(S)	
FLOW BETWEEN TREATMENT UNITS (if multiple units; gravity or pumps)	
NUMBER OF LIFT PUMPS (if multiple units)	
FREQUENCY OF OPERATION (continuous or intermittent)	
INSTALLATION (permanent or temporary)	
FAIL-SAFE PROVISIONS (to prevent discharge due to equipment/operator failure)	
OTHER:	

**FLOODING PROVISIONS:**

TYPE AREA	DISCUSSION OF PROVISIONS
RETENTION PONDS AND BASINS	
MOBILE TANKS	
HW STORAGE AREAS	
OTHER:	

**TANK DATA COLLECTION SHEET FOR ASTs, MOBIL TANKS, AND TRANSFORMERS**

AREA:

Tank Site (Building #):

Installation Map Grid #:

Number of Tanks in Set

Capacity (gal):

Material Stored:

Tank Manufacturer:

Model:

Year Installed:

TYPE OF SPCC-REGULATED TANK

- PARTIALLY BURIED (TOP EXPOSED)**
- PARTIALLY BURIED (BUNKERED)**
- AST
- Mobil Tank
- Transformer
- Pressure Tank
- Other: \_\_\_\_\_

CONDITION:

- UNACCEPTABLE**
- New
- Excellent
- Good
- Other: \_\_\_\_\_

CURRENT USE (check all that apply)

- Long-term storage
- Temporary storage
- Seasonal storage
- Furnace
- Boiler
- Generator
- Emergency generator
- Transformer
- Vehicle fueling
- Permanently closed
- Other: \_\_\_\_\_

COLOR PAINTED

- None (rusting)
- Yellow
- Red
- Black
- White
- Beige
- Gray
- Blue
- Silver
- Other: \_\_\_\_\_

DIMENSIONS

- or
- Diameter (D)
  - Circumference (C)
  - Length (L)
  - Height (H)
  - Width (W)

MARKINGS FOR MATERIALS STORED:

- NONE**
- WRONG**
- INADEQUATE**
- Acceptable
- Other: \_\_\_\_\_

CALCULATED VOLUME  GAL

horizontal cylinder =  $(5.875 \times L \times D^2)$   
 vertical cylinder =  $(.5953 \times H \times C^2 \text{ or } 5.875 \times H \times D^2)$   
 box =  $(7.48 \times L \times W \times H)$   
 (volumes in gallons calculated from lengths in feet)

LEAK DETECTION

- Interstitial Monitoring
- Vapor Monitoring
- Groundwater Monitoring
- Automatic Tank Gauging
- Other: \_\_\_\_\_

CONSTRUCTION MATERIAL

- INCOMPATIBLE WITH CONTENTS**
- Welded steel
- Riveted steel
- Fiberglass or fiberglass reinforced plastic
- Other: \_\_\_\_\_

SHAPE

- Horizontal cylinder
- Horizontal cylinder w/dike
- Horizontal cylinder w/dbl.-wall
- Vertical cylinder
- Other: \_\_\_\_\_

SUPPORT (HORIZONTAL AST):

- Concrete saddles (unpadded)
- Concrete saddles (padded)
- Steel frame with saddles
- Steel frame welded to tank
- Steel skid with saddles
- Steel skid welded to tank
- Built-in rectangular dike
- Other: \_\_\_\_\_

CORROSION PROTECTION

- None (existing buried tank)
- N/A (non-corroding tank)
- Coating
- Cathodic protection \_\_\_\_\_
- Other: \_\_\_\_\_

**TANK DATA COLLECTION SHEET FOR ASTs, MOBIL TANKS, AND TRANSFORMERS**

**SUPPORT (VERTICAL AST):**

- Concrete foundation (visible)**
- Concrete foundation (not visible)**
- Other: \_\_\_\_\_

**SUPPORT SEISMIC/WIND ADEQUACY**

- SUPPORT UNSTABLE**
- TANK UNSTABLE ON SUPPORT**
- Adequate
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT TYPE**

- NONE**
- INSUFFICIENT CAPACITY**
- NOT IMPERVIOUS**
- Built-in Rectangular dike
- Double-walled tank
- Earthen dike
- Gravel dike
- Concrete walls
- Cement block walls
- Curbing
- Trenching
- Vault
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT LINING**

- None
- N/A (built-in containment)
- Polyethylene
- High-density polyethylene (HDPE)
- Neoprene
- Asphalt
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT DIMENSIONS**

Diameter (D)	_____
Length (L)	_____
Height (H)	_____
Width (W)	_____

**CALC VOLUME** \_\_\_\_\_ **GAL**

(rectangular dike =  $7.48 \times L \times W \times H$ )  
 (double-walled cylinder =  $5.875 \times L \times D^2$ )  
 (volume in gallons calculated from lengths in feet)

**DIKE DRAINAGE MECHANISM**

- NOT POSITIVELY CONTROLLED**
- FLAPPER-TYPE VALVE**
- AUTOMATICALLY ACTIVATED PUMP**
- Manual open and close valve
- Manually-activated pump
- Plugged/capped outlet
- None (no outlet)
- Other: \_\_\_\_\_

**DIKE DRAINAGE OUTFALL**

- None
- Ground outside dike
- Sanitary sewer
- Storm sewer (to navigable waters)
- Storm sewer (to treatment)
- Other: \_\_\_\_\_

**DIKE DRAINAGE VALVE LOCKING**

- CAN NOT BE LOCKED**
- UNLOCKED**
- Locked
- Capped/plugged
- N/A (cap/plug; no valve)
- Other: \_\_\_\_\_

**OVERFILL PROTECT/FAIL SAFE ENGINEERING**

- NONE**
- INADEQUATE**
- NOT WORKING**
- Float indicator
- Dial Gauge
- Clock gauge
- Tape gauge
- Auto fill limiter
- Auto pump cut off
- High-level alarm
- Whistler (audible vent)
- Gauger/pumper visual contact
- Gauger/pumper radio contact
- Manometer
- Computer
- Telepulse
- Other: \_\_\_\_\_

**OVERFILL CATCHMENT**

- None
- Catch pan at AST fill port
- Fill port inside secondary containment
- Internal chamber (dike tank)
- Other: \_\_\_\_\_

**TANK HEATING**

- INTERNAL SYSTEM SINGLE PASS W/DISCHARGE**
- Internal system single pass w/treatment**
- Closed loop
- External system
- None
- Other: \_\_\_\_\_

**TANK MANIFOLDING**

- Manifolder with tanks \_\_\_\_\_
- Not manifolded

**TANK DATA COLLECTION SHEET FOR ASTs, MOBIL TANKS, AND TRANSFORMERS**  
**CONTINUED**

PIPING MATERIAL

- Steel
- Fiberglass reinforced plastic
- Copper
- Fuel hose
- N/A (no piping)
- Other: \_\_\_\_\_

PIPING EXPOSURE

- UNNECESSARILY UNDERGROUND**
- All aboveground
- As aboveground as practical
- None (no piping)
- Other: \_\_\_\_\_

PIPING SUPPORT DESIGN

- ALLOWS ABRASION/CORROSION**
- Minimizes abrasion/corrosion
- All within tank corrosion
- Special concrete trench
- N/A (no piping)
- Other: \_\_\_\_\_

PIPING CORROSION PROTECTION

- None (existing buried pipe)
- N/A (no buried piping)
- N/A (non-corroding buried pipe)
- Coating
- Wrapping
- Cathodic protection
- Other: \_\_\_\_\_

PIPING PROTECTION FROM VEHICLES

- NONE**
- Posts
- Tank secondary containment
- Warning signs
- Verbal warnings to drivers
- N/A (no piping)
- Other: \_\_\_\_\_

PIPING CONTAINMENT

- None
- Double-walled pipe
- All within tank containment
- Special concrete trench
- N/A (no piping)
- Other: \_\_\_\_\_

VALVES-TO-SURFACE SECURITY

- INADEQUATELY PROTECTED**
- All locked
- All capped/plugged
- Fenced facility
- N/A (no such valves)
- Other: \_\_\_\_\_

PUMP STARTER CONTROL SECURITY

- INADEQUATELY PROTECTED**
- N/A (consuming equipment draws fuel)
- Locked whenever "off"
- Unlocked, but valve locked
- In fenced facility
- Other: \_\_\_\_\_

FIRE PROTECTION SYSTEM (tank)

- NOT COMMENSURATE WITH TANK**
- None
- Automatic AFFF
- Manual AFFF
- Other: \_\_\_\_\_

LIGHTING

- NOT COMMENSURATE WITH FACILITY**
- None
- Light at tank
- General area lighting nearby
- Other: \_\_\_\_\_

PROBABILITY OF REACHING NAVIGABLE WATERS  
 (ignoring secondary containment)

- Negligible (terrain retains)
- Low
- Medium
- High
- Very high (adjacent to navigable waters)
- Other: \_\_\_\_\_

POTENTIAL FAILURES

(Fill in flow direction for each failure type)

- Overfill \_\_\_\_\_
- Rupture \_\_\_\_\_
- Leak \_\_\_\_\_
- Fill hose spill \_\_\_\_\_
- Other: \_\_\_\_\_

**TANK DATA COLLECTION SHEET FOR ASTs, MOBIL TANKS, AND TRANSFORMERS**  
**CONTINUED**

INTEGRITY TEST SCHEDULE

INSPECTION SCHEDULE

MATERIAL SUPPLIER INFORMATION

Supplier:

Truck pumping rate (gpm):

Piping delivery rate (gpm):

**COMMENT ON ANY BOLD/CAPITALIZED ITEMS CHECKED**

COMMENT:

COMMENT:

COMMENT:

**TANK DATA COLLECTION SHEET FOR USTs AND OIL WATER SEPARATORS**

AREA:

Tank Site (Building #):

Installation Map Grid #:

Number of Tanks in Set

Capacity (gal):

Material Stored:

Tank Manufacturer:

Model:

Year Installed:

TYPE OF SPCC-REGULATED TANK

- PARTIALLY BURIED (TOP EXPOSED)**
- PARTIALLY BURIED (BUNKERED)**
- UST (field constructed)
- UST (consumer heating oil)
- UST (aircraft hydrant system)
- UST (under 110 gallons)
- Pressure
- Other: \_\_\_\_\_

CURRENT USE (check all that apply)

- Long-term storage
- Temporary storage
- Seasonal storage
- Furnace
- Boiler
- Generator
- Emergency generator
- Steam plant
- Vehicle fueling
- Permanently closed
- Other: \_\_\_\_\_

CONDITION:

- UNACCEPTABLE**
- New
- Excellent
- Good
- Other: \_\_\_\_\_

CONSTRUCTION MATERIAL

- INCOMPATIBLE WITH CONTENTS**
- Welded steel
- Riveted steel
- Fiberglass or fiberglass reinforced plastic
- Other: \_\_\_\_\_

MARKINGS FOR MATERIALS STORED:

- NONE**
- WRONG**
- INADEQUATE**
- Acceptable
- Other: \_\_\_\_\_

SECONDARY CONTAINMENT TYPE

- NONE**
- INSUFFICIENT CAPACITY**
- NOT IMPERVIOUS**
- Built-in Rectangular dike
- Double-walled tank
- Earthen dike
- Gravel dike
- Concrete walls
- Cement block walls
- Curbing
- Trenching
- Vault
- Other: \_\_\_\_\_

SECONDARY CONTAINMENT LINING

- None
- N/A (built-in containment)
- Polyethylene
- High-density polyethylene (HDPE)
- Neoprene
- Asphalt
- Other: \_\_\_\_\_

CORROSION PROTECTION

- NONE (NEW METALLIC UST)**
- NONE (ANY METALLIC PBST)**
- None (existing UST)
- Sacrificial anode
- Impressed current
- Exterior coating
- Other: \_\_\_\_\_

LEAK DETECTION

- Interstitial Monitoring
- Vapor Monitoring
- Groundwater Monitoring
- Automatic Tank Gauging
- Other: \_\_\_\_\_



<p><b>TANK DATA COLLECTION SHEET FOR USTs AND OIL WATER SEPARATORS</b></p> <p><b>CONTINUED</b></p>
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**OVERFILL PROTECT/FAIL SAFE ENGINEERING**

- NONE**
- INADEQUATE**
- NOT WORKING**
- Float indicator
- Dial Gauge
- Clock gauge
- Tape gauge
- Auto fill limiter
- Auto pump cut off
- High-level alarm
- Whistler (audible vent)
- Gauger/pumper visual contact
- Gauger/pumper radio contact
- Manometer
- Computer
- Telepulse
- Other: \_\_\_\_\_

**OVERFILL CATCHMENT**

- None
- Catch pan at fill port
- Fill port inside secondary containment
- Internal chamber (dike tank)
- Other: \_\_\_\_\_

**TANK HEATING**

- INTERNAL SYSTEM SINGLE PASS W/DISCHARGE**
- Internal system single pass w/treatment**
- Closed loop
- External system
- None
- Other: \_\_\_\_\_

**TANK MANIFOLDING**

- Manifolded with tanks \_\_\_\_\_
- Not manifolded

**PIPING MATERIAL**

- Steel
- Fiberglass reinforced plastic
- Copper
- Fuel hose
- N/A (no piping)
- Other: \_\_\_\_\_

**PIPING EXPOSURE**

- UNNECESSARILY UNDERGROUND**
- All aboveground
- As aboveground as practical
- None (no piping)
- Other: \_\_\_\_\_

**PIPING SUPPORT DESIGN**

- ALLOWS ABRASION/CORROSION**
- Minimizes abrasion/corrosion
- All within tank corrosion
- Special concrete trench
- N/A (no piping)
- Other: \_\_\_\_\_

**PIPING CORROSION PROTECTION**

- None (no buried piping)
- None (existing buried pipe)
- N/A (non-corroding buried pipe)
- N/A (no piping)
- Coating
- Wrapping
- Cathodic protection
- Other: \_\_\_\_\_

**PIPING PROTECTION FROM VEHICLES**

- NONE**
- Posts
- Tank secondary containment
- Away from road
- Warning signs
- Verbal warnings to drivers
- N/A (no piping)
- Other: \_\_\_\_\_

**PIPING CONTAINMENT**

- None
- Double-walled pipe
- All within tank containment
- Special concrete trench
- N/A (no piping)
- Other: \_\_\_\_\_

**VALVES-TO-SURFACE SECURITY**

- INADEQUATELY PROTECTED**
- All locked
- All capped/plugged
- Fenced facility
- N/A (no such valves)
- Other: \_\_\_\_\_

**PUMP STARTER CONTROL SECURITY**

- INADEQUATELY PROTECTED**
- N/A (consuming equipment draws fuel)
- Locked whenever "off"
- Unlocked, but valve locked
- In fenced facility
- Inaccessible to unauthorized persons
- Other: \_\_\_\_\_

<b>TANK DATA COLLECTION SHEET FOR USTs AND OIL WATER SEPARATORS</b> <b>CONTINUED</b>
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**LIGHTING**

- NOT COMMENSURATE WITH FACILITY**
- None
- Light at tank
- General area lighting nearby
- Distant general area lighting
- Other: \_\_\_\_\_

**PROBABILITY OF REACHING NAVIGABLE WATERS**  
(ignoring secondary containment)

- Negligible (terrain retains)
- Low
- Medium
- High
- Very high (adjacent to navigable waters)
- Other: \_\_\_\_\_

**POTENTIAL FAILURES**

(Fill in flow direction for each failure type)

- Overfill \_\_\_\_\_
- Rupture \_\_\_\_\_
- Leak \_\_\_\_\_
- Fill hose spill \_\_\_\_\_
- Other: \_\_\_\_\_

**INTEGRITY TEST**

**MATERIAL SUPPLIER INFORMATION**

Supplier:	
Truck pumping rate (gpm):	
Piping delivery rate (gpm):	

<b>COMMENT ON ANY BOLD/CAPITALIZED ITEMS CHECKED</b>
COMMENT:
COMMENT:
COMMENT:

<b>DATA COLLECTION SHEET FOR TANKER TRUCK PARKING SITES</b>
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AREA:

Site (Building #):

Installation Map Grid #:

Material Transported:

Number of Parking Spaces

Capacity of largest single truck compartment (gal):

**SECONDARY CONTAINMENT TYPE**

- None
- Insufficient capacity
- Not impervious
- Earthen dike
- Gravel dike
- Concrete walls
- Cement block walls
- Curbing
- Trenching
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT LINING**

- None
- N/A (built-in containment)
- Polyethylene
- High-density polyethylene (HDPE)
- Neoprene
- Asphalt
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT DIMENSIONS**

Diameter (D)	
Length (L)	
Height (H)	
Width (W)	

CALC VOLUME   GAL

(rectangular dike =  $7.48 \times L \times W \times H$ )  
 (double-walled cylinder =  $5.875 \times L \times D^2$ )  
 (volume in gallons calculated from lengths in feet)

**DIKE DRAINAGE MECHANISM**

- NOT POSITIVELY CONTROLLED**
- FLAPPER-TYPE VALVE**
- AUTOMATICALLY ACTIVATED PUMP**
- Manual open and close valve
- Manually-activated pump
- Plugged/capped outlet
- None (no outlet)
- Other: \_\_\_\_\_

**DIKE DRAINAGE OUTFALL**

- None
- Ground outside dike
- Sanitary sewer
- Storm sewer (to navigable waters)
- Storm sewer (to treatment)
- Other: \_\_\_\_\_

**DIKE DRAINAGE VALVE LOCKING**

- CAN NOT BE LOCKED**
- UNLOCKED**
- Locked
- Capped/plugged
- N/A (cap/plug; no valve)
- Other: \_\_\_\_\_

**STORMWATER RUN-ON CONTROLS**

- None
- Dikes
- Trenches
- Other: \_\_\_\_\_

**STORMWATER RUN-OFF CONTROLS**

- None
- Dikes
- Trenches
- Treatment unit: \_\_\_\_\_
- Other: \_\_\_\_\_

**PROBABILITY OF REACHING NAVIGABLE WATERS**  
 (ignoring secondary containment)

- Negligible (terrain retains)
- Low
- Medium
- High
- Very high (adjacent to navigable waters)
- Other: \_\_\_\_\_

**POTENTIAL FAILURES**

(Fill in flow direction for each failure type)

- Leak \_\_\_\_\_
- Rupture \_\_\_\_\_
- Other: \_\_\_\_\_

<b>COMMENT ON ANY BOLD/CAPITALIZED ITEMS CHECKED</b>
COMMENT:

**DATA COLLECTION SHEET FOR TANKER TRUCK LOADING/UNLOADING SITES**

AREA:

Tank Site (Building #):

Installation Map Grid #:

Number of Racks in Set

Capacity of largest single truck compartment (gal):

Material Transferred:

Year Installed:

Meets DOT Requirements:

CURRENT USE (check all that apply)

- Daily use
- Intermittent use
- Seasonal use
- Tank filling
- Tanker truck filling
- Vehicle fueling
- Permanently closed
- Other: \_\_\_\_\_

SECURITY/INTERLOCKED DEVICES

- None
- Interlocked warning lights
- Physical barriers
- Signs
- Other: \_\_\_\_\_

SECONDARY CONTAINMENT TYPE

- NONE**
- INSUFFICIENT CAPACITY**
- NOT IMPERVIOUS**
- Built-in Rectangular dike
- Double-walled tank
- Earthen dike
- Gravel dike
- Concrete walls
- Cement block walls
- Curbing
- Trenching
- Vault
- Other: \_\_\_\_\_

SECONDARY CONTAINMENT LINING

- None
- N/A (built-in containment)
- Polyethylene
- High-density polyethylene (HDPE)
- Neoprene
- Asphalt
- Other: \_\_\_\_\_

SECONDARY CONTAINMENT DIMENSIONS

Diameter (D)	<input type="text"/>
Length (L)	<input type="text"/>
Height (H)	<input type="text"/>
Width (W)	<input type="text"/>

CALC VOLUME  GAL

(rectangular dike =  $7.48 \times L \times W \times H$ )  
 (double-walled cylinder =  $5.875 \times L \times D^2$ )  
 (volume in gallons calculated from lengths in feet)

DIKE DRAINAGE MECHANISM

- NOT POSITIVELY CONTROLLED**
- FLAPPER-TYPE VALVE**
- AUTOMATICALLY ACTIVATED PUMP**
- Manual open and close valve
- Manually-activated pump
- Plugged/capped outlet
- None (no outlet)
- Other: \_\_\_\_\_

DIKE DRAINAGE OUTFALL

- None
- Ground outside dike
- Sanitary sewer
- Storm sewer (to navigable waters)
- Storm sewer (to treatment)
- Other: \_\_\_\_\_

DIKE DRAINAGE VALVE LOCKING

- CAN NOT BE LOCKED**
- UNLOCKED**
- Locked
- Capped/plugged
- N/A (cap/plug; no valve)
- Other: \_\_\_\_\_

<b>DATA COLLECTION SHEET FOR TANKER TRUCK LOADING/UNLOADING SITES</b> <b>CONTINUED</b>
-------------------------------------------------------------------------------------------

PROBABILITY OF REACHING NAVIGABLE WATERS  
(ignoring secondary containment)

- Negligible (terrain retains)
- Low
- Medium
- High
- Very high (adjacent to navigable waters)
- Other: \_\_\_\_\_

POTENTIAL FAILURES  
(Fill in flow direction for each failure type)

- Overfill \_\_\_\_\_
- Rupture \_\_\_\_\_
- Leak \_\_\_\_\_
- Fill hose spill \_\_\_\_\_
- Other: \_\_\_\_\_

INSPECTION - LOWER MOST DRAINS AND  
OUTLETS

- None**
- Written Procedure
- Form Used
- Other: \_\_\_\_\_

COMMENT ON ANY BOLD/CAPITALIZED ITEMS CHECKED
COMMENT:
COMMENT:
COMMENT:

**DATA COLLECTION SHEET FOR HAZARDOUS WASTE/HAZARDOUS SUBSTANCE STORAGE SITES**

AREA:

TYPE OF STORAGE FACILITY

Building #:

- HW Site accumulation area
- HW 90 day storage area
- HW RCRA permitted storage/treatment facility
- HS storage area
- Other: \_\_\_\_\_

Installation Map Grid #:

NUMBER AND TYPES OF STORAGE UNITS

EXPOSURE/LOCATION

- Drums: \_\_\_\_\_
- Flammable Storage Lockers: \_\_\_\_\_
- Pallets: \_\_\_\_\_
- Bays: \_\_\_\_\_
- Walk in lockers: \_\_\_\_\_
- Other: \_\_\_\_\_

- Inside building
- Outside/exposed to elements
- Outside/under canopy
- Other: \_\_\_\_\_

TYPES OF STORAGE UNITS

# OF UNITS

DIMENSIONS LxWxH (ft)

CONSTRUCTION MATERIAL

CORROSION PROTECTION

CONDITION

TYPES OF STORAGE UNITS	# OF UNITS	DIMENSIONS LxWxH (ft)	CONSTRUCTION MATERIAL	CORROSION PROTECTION	CONDITION
<input type="checkbox"/> Drums					
<input type="checkbox"/> Flammable Storage Lockers					
<input type="checkbox"/> Pallets					
<input type="checkbox"/> Bays					
<input type="checkbox"/> Walk in lockers					
<input type="checkbox"/> Other: _____					

PROTECTION FROM VEHICLES

SUBSTRATE

- None
- Posts
- Fenced Area
- Secured Area
- In Building
- Other: \_\_\_\_\_

- Dirt
- Asphalt
- Concrete
- Wood
- On Pallets
- Other: \_\_\_\_\_

TYPES OF HAZARDOUS SUBSTANCES

QUANTITIES

MARKINGS

TYPES OF HAZARDOUS SUBSTANCES	QUANTITIES	MARKINGS
<input type="checkbox"/> POLs	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Paints	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Lube oils	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Hydraulic fluids	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Solvents	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Batteries	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Used oil	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Other: _____	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Other: _____	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Other: _____	<input type="checkbox"/> New <input type="checkbox"/> Used	
<input type="checkbox"/> Other: _____	<input type="checkbox"/> New <input type="checkbox"/> Used	

SEPARATION OF INCOMPATIBLE MATERIALS

ADEQUATE VENTILATION

- Yes
- No
- N/A

- Yes
- No
- N/A

SUPPORT:

SUPPORT SEISMIC/WIND ADEQUACY

- Wood pallets
- Plastic pallets
- None
- Other: \_\_\_\_\_

- UNSTABLE**
- Secured/Anchored
- Adequate
- Other: \_\_\_\_\_

**TANK DATA COLLECTION SHEET FOR HAZARDOUS WASTE/HAZARDOUS SUBSTANCE STORAGE SITES  
CONTINUED**

**SECONDARY CONTAINMENT TYPE**

- NONE**
- INSUFFICIENT CAPACITY**
- NOT IMPERVIOUS**
- Concrete berm
- Asphalt berm
- Bottom of locker
- Containment pallet
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT LINING**

- None
- N/A (built-in containment)
- Polyethylene
- High-density polyethylene (HDPE)
- Neoprene
- Asphalt
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT DIMENSIONS**

Diameter (D)	
Length (L)	
Height (H)	
Width (W)	

**CALC VOLUME**  **GAL**

(rectangular dike =  $7.48 \times L \times W \times H$ )  
 (double-walled cylinder =  $5.875 \times L \times D^2$ )  
 (volume in gallons calculated from lengths in feet)

**DIKE DRAINAGE MECHANISM**

- NOT POSITIVELY CONTROLLED**
- FLAPPER-TYPE VALVE**
- AUTOMATICALLY ACTIVATED PUMP**
- Manual open and close valve
- Manually-activated pump
- Plugged/capped outlet
- None (no outlet)
- Other: \_\_\_\_\_

**DIKE DRAINAGE OUTFALL**

- None
- Ground outside dike
- Sanitary sewer
- Storm sewer (to navigable waters)
- Storm sewer (to treatment)
- Other: \_\_\_\_\_

**DIKE DRAINAGE VALVE LOCKING**

- CAN NOT BE LOCKED**
- UNLOCKED**
- Locked
- Capped/plugged
- N/A (cap/plug; no valve)
- Other: \_\_\_\_\_

**TRANSFER PROCEDURE**

- Truck
- Forklift
- Cart
- Hand
- Pipeline
- Other: \_\_\_\_\_

PROXIMITY TO DRAINS/SOIL(ft)

INSPECTION SCHEDULE

**SECURITY**

- Lockable
- Fenced
- Lights inside
- Lights adjacent
- General area lighting
- Automatic fire sprinklers
- Fire extinguishers
- Fire hose

**SAFETY EQUIPMENT**

- Eye wash
- Shower
- Spill Kit
- MSDS available

**PROBABILITY OF REACHING NAVIGABLE WATERS**  
 (ignoring secondary containment)

- Negligible (terrain retains)
- Low
- Medium
- High
- Very high (adjacent to navigable waters)
- Other: \_\_\_\_\_

**POTENTIAL FAILURES**  
 (Fill in flow direction for each failure type)

- Overfill \_\_\_\_\_
- Rupture \_\_\_\_\_
- Leak \_\_\_\_\_
- Fill hose spill \_\_\_\_\_
- Other: \_\_\_\_\_

**COMMENT ON ANY BOLD/CAPITALIZED ITEMS CHECKED**

COMMENT:

**DATA COLLECTION SHEET FOR PIPELINES**

AREA:

Site (Building #):

Installation Map Grid #:

Pipeline ID:

Number of Pipelines in Set

Contents:

Year Installed:

Delivery Rate (gpm):

CONDITION:

- UNACCEPTABLE**
- New
- Excellent
- Good
- Other: \_\_\_\_\_

CURRENT USE (check all that apply)

- Continuous/daily use:
- Intermittent use
- Seasonal use
- Pressure
- Suction
- Gravity
- Permanently closed
- Other: \_\_\_\_\_

COLOR PAINTED

- None (rusting)
- Black
- White
- Beige
- Gray
- Blue
- Silver
- Other: \_\_\_\_\_

DIMENSIONS

Diameter (D)  
Length (L)


MARKINGS FOR MATERIALS TRANSFERRED:

- NONE**
- WRONG**
- INADEQUATE**
- Acceptable
- Other: \_\_\_\_\_

PIPING MATERIAL

- Steel
- Fiberglass reinforced plastic
- Fuel hose
- N/A (no piping)
- Other: \_\_\_\_\_

PIPING EXPOSURE

- UNNECESSARILY UNDERGROUND**
- All aboveground
- As aboveground as practical
- None (no piping)
- Other: \_\_\_\_\_

PIPING SUPPORT DESIGN

- ALLOWS ABRASION/CORROSION**
- Minimizes abrasion/corrosion
- All within tank corrosion
- Special concrete trench
- N/A (no piping)
- Other: \_\_\_\_\_

PIPING CORROSION PROTECTION

- NONE (existing buried metal pipe)**
- N/A (no buried piping)
- N/A (non-corroding buried pipe)
- Coating
- Cathodic protection: \_\_\_\_\_
- Other: \_\_\_\_\_

SUPPORT SEISMIC/WIND ADEQUACY

- SUPPORT UNSTABLE**
- PIPELINE UNSTABLE ON SUPPORT**
- Adequate
- Other: \_\_\_\_\_

LEAK DETECTION

- Interstitial Monitoring
- Vapor Monitoring
- Groundwater Monitoring
- Automatic Tank Gauging
- Other: \_\_\_\_\_

PIPING PROTECTION FROM VEHICLES

- NONE**
- Posts
- Tank secondary containment

PUMP STARTER CONTROL SECURITY

- INADEQUATELY PROTECTED**
- N/A (consuming equipment draws fuel)
- Locked whenever "off"



**DATA COLLECTION SHEET FOR PIPELINES**  
**CONTINUED**

- Warning signs
- Verbal warnings to drivers
- N/A (no piping)
- Other: \_\_\_\_\_

- Unlocked, but valve locked
- In fenced facility
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT TYPE**

- NONE**
- INSUFFICIENT CAPACITY**
- NOT IMPERVIOUS**
- Double-walled pipe
- Special concrete trench
- Earthen dike
- Gravel dike
- Concrete walls
- Cement block walls
- Curbing
- Trenching
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT LINING**

- None
- N/A (built-in containment)
- Polyethylene
- High-density polyethylene (HDPE)
- Neoprene
- Asphalt
- Other: \_\_\_\_\_

**SECONDARY CONTAINMENT DIMENSIONS**

Diameter (D)	<input style="width: 100%;" type="text"/>
Length (L)	<input style="width: 100%;" type="text"/>
Height (H)	<input style="width: 100%;" type="text"/>
Width (W)	<input style="width: 100%;" type="text"/>

**CALC VOLUME**  **GAL**

(rectangular dike =  $(7.48 \times L \times W \times H)$   
(double-walled cylinder =  $(5.875 \times L \times D^2)$   
(volume in gallons calculated from lengths in feet)

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(Fill in flow direction for each failure type)

- Leak \_\_\_\_\_
- Rupture \_\_\_\_\_
- Other: \_\_\_\_\_

**INTEGRITY TEST SCHEDULE**

**INSPECTION SCHEDULE**

<b>COMMENT ON ANY BOLD/CAPITALIZED ITEMS CHECKED</b>
COMMENT: _____

