



# VISUAL INTERNAL & EXTERNAL INSPECTION FORM

F-02

## Section 1: Client & Location:

Client: \_\_\_\_\_ Field: \_\_\_\_\_  
Location: SL (DH): \_\_\_\_\_ Skid: \_\_\_\_\_

## Section 2: Inspection Details:

Reason for Inspection: \_\_\_\_\_ If other than 'Routine', describe: \_\_\_\_\_

## Section 3: Vessel & PSV Data:

### Vessel Static Data:

Equip./Tag #:	_____	Top Head:	_____	<u>Nominal Thickness &amp; Material</u>	
Description:	_____	Btm. Head:	_____	Mat.:	_____
Jurisdiction #:	_____	Shell (Shell):	_____		_____
Serial #:	_____	Shell (Tube):	_____		_____
CRN #:	_____	Channel:	_____		_____
Manuf.:	_____				
Yr. Built:	_____				
Size (OD x L):	_____ x _____			<u>Design Pressure &amp; Temperature</u>	
PWHT:	_____	MAWP (Shell):	_____ @ _____	MDMT:	_____
RT:	_____	MAWP (Tube):	_____ @ _____	MDMT:	_____
Service:	_____				
Corr. Allow.:	_____	Const. Code:	_____	Code Stamp:	_____
Status:	_____	Manway:	_____	Size:	_____

### PSV Static Data:

	<u>Primary PSV:</u>	<u>Second PSV:</u>
Location:	_____	_____
Equip./Tag #:	_____	_____
Description:	_____	_____
Manuf.:	_____	_____
Model #:	_____	_____
Serial #:	_____	_____
CRN #:	_____	_____
Status:	_____	_____
Last Svc. Date:	_____	_____
Serviced By:	_____	_____
Set. Press.:	_____	_____
Capacity:	_____	_____
Inlet Size:	_____	_____
Outlet Size:	_____	_____
Conn. Type:	_____	_____



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### Section 4: External Visual Inspection:

OK = Satisfactory for Continued Service

RA = Remedial Action Required

N/A = Not Applicable to Vessel

OK RA N/A

Comments

#### Nameplate:

Accessible, Secure, Readable MDR Available at Time of Inspection		
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#### Insulation:

Cladding Free of Dents, Holes, Punctures, Etc. Properly Sealed Around Nozzles, Insp. Ports, Etc. Evidence of CUI		
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#### External Vessel Surface:

Paint Condition Hot Spots Peeling/Blisters Corrosion Mechanical Damage		
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#### Skirt/Saddle:

Paint Condition No Corrosion or Deformation Attachment Welds No Leakage from Weep holes Fire Protection Grounding		
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#### Foundation:

Anchor Bolts in Place & Secure Welded to Floor / Foundation Deterioration / Corrosion		
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#### Ladders / Platforms:

Properly Supported Attachment Welds, Bolts & Brackets Safety Devices in Place Free of Hazards		
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#### Davit Arms / Quick Closures:

Mechanical Damage Deterioration / Corrosion Double Nuted Attachment Welds		
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**Nozzles / Manway:**

Leakage Leakage from Re-pad Weep holes Deformation, Deflection or Cracking Flange Bolts Secure		
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**Associated Piping:**

Paint Condition Properly Supported Leakage from Connections Deformation or Deflection Mechanical Damage Free of Dead legs or Adequate NDE		
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**Valves:**

Properly Supported No Leakage		
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**Section 4 (cont'd): External Visual Inspection:**

OK = Satisfactory for Continued Service

RA = Remedial Action Required

N/A = Not Applicable to Vessel

OK    RA    N/A

**PSV:**

Properly Supported Set Pressure $\leq$ Vessel MAWP Isolation Valves CAR Sealed Open Discharge Piping Configuration Appropriate		
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**Gauges / Sight Glasses:**

Pressure      Range:              to Temperature    Range:              to Gauge Condition Sight Glass Condition Leakage		
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**Other:**

Abnormal Vibration Free of Vibration Related Damage Sufficient NDE Completed		
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**Note:** Items marked 'RA' are required to have comments



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### Section 5: Internal Visual Inspection:

OK = Satisfactory for Continued Service

RA = Remedial Action Required

N/A = Not Applicable to Vessel

OK RA N/A

#### Internal Condition:

Coating / Lining Blistered Corroded Eroded Holidays / Chipped Mechanical Damage Anode Condition		
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#### Mechanical Internals:

Adequately Cleaned Shell Heads Manway Boot Demister Pad Weir / Baffle Downcomer Spray Nozzles Fire Tubes Tube Bundle / Tube Sheet Channel Head / Bonnet		
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### Section 6: Comments & Recommendations:

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### Section 7: Additional Documentation:

Additional Documentation: \_\_\_\_\_

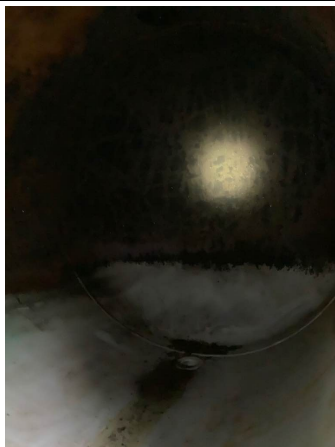
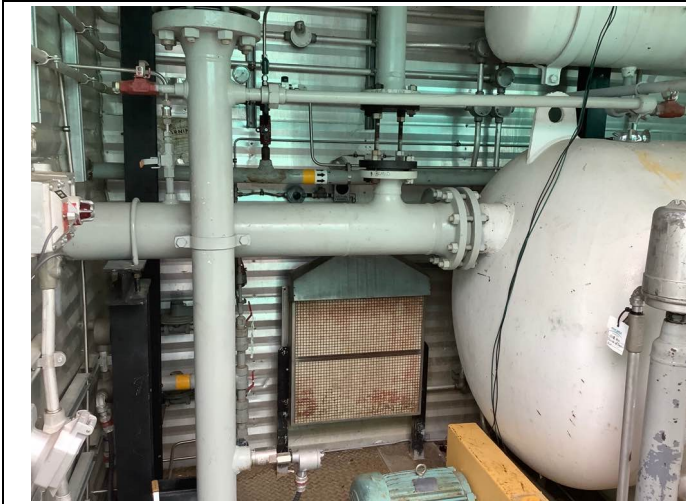
### Section 8: Inspector Information & Signoff:

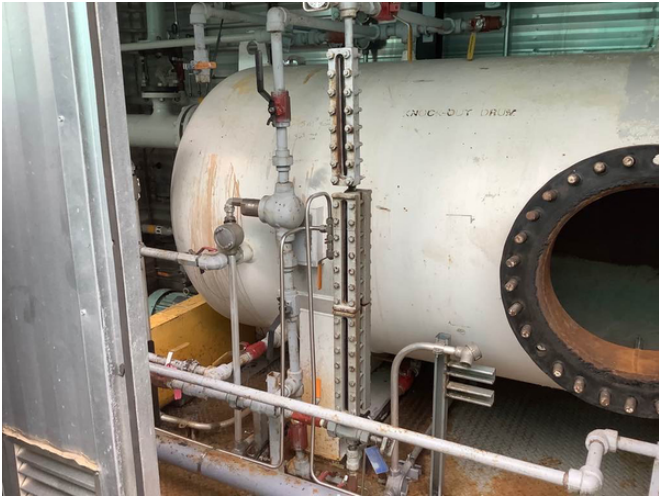
Is the Vessel Suitable for Continued Service? _____	
Inspector Name: _____	Certification _____ Certification # _____
Inspector Signature: _____ <i>[Signature]</i>	Inspection Date: _____
Chief Inspector Name: _____	Certification _____ Certification # _____
Chief Inspector Signature: _____ <i>Jay Aloisio</i>	Review Date: _____
NCR Required _____	Grade Assigned: _____
NCR# _____	Interval Assigned: _____

**Section 8: Photos:**

	
<p>LSD Sign Overview</p>	<p>Overview</p>
	
<p>Equipment Nameplate</p>	<p>Equipment Overview</p>
	
<p>PSV Date Plate</p>	<p>PSV Overview</p>












 A photograph showing a close-up of a grey, corrugated metal structure, possibly a container or part of a building, resting on a bed of dark gravel. The structure has some visible wear and a small latch or handle on the right side.	