

STATIC EQUIPMENT INSPECTION REPORT - Exhibit # 300a

COMPANY: _____ **SIGMA JOB #:** _____

District: _____ Facility: _____ Lsd _____ Skid: _____

Item Insp.: _____

VESSEL DATA

Equip#: _____ Serial #: _____ ABSA#: _____ CRN #: _____

Manuf: _____ Code/Div.: _____ Para: _____ Code Stamp: _____

Yr. Built: _____ Size: _____ Actual Est. Insulated: _____

Service: _____ PWHT: _____ R.T.: _____ Repairs: _____

Nominal Thickness & Material

Head: _____ Material: _____ C.A. _____ Reasons: _____

Head: _____

Shell: _____ Status: IN SERVICE

Shell: _____ OUT OF SERVICE

Channel HD: _____ Manway: YES NO

Channel SH: _____

Boot HD: _____

Boot SH: _____

MAWP Shell: _____ Psi kPa Temp: _____ F C PROCESS CHANGE

MAWP Tube: _____ Psi kPa Temp: _____ F C COMMISSIONING

Comments _____

PSV INFORMATION

Location: _____ S _____ S **S = SHELL SIDE**

Manufacturer: _____ T _____ T **T = TUBE SIDE**

Serial #: _____ P _____ P **P = PIPING**

PSV #: _____

CRN: _____

Model: _____

Set Press: _____

Capacity: _____

Status: _____

Inlet Size (mm): _____

Outlet Size (mm): _____

Conn Type (F/T): _____

Serviced By: _____

Last Service Date: _____

Inlet Isolation valves sealed open:

YES NO

Outlet Isolation valves sealed open:

YES NO

X
Software required, please download
from <http://www.arx.com>

Inspection Requested By: _____ Inspection Date: _____

Inspection Performed By: _____ Certification # _____

Chief Inspector: _____ Certification #: _____

EXTERNAL VISUAL INSPECTION

ABSA#: _____ SIGMA JOB #: _____

Remedial Action

- No Action Required
- Paint Repairs
- Repair Weld - S.R.
- Repair Weld - No S.R.
- Grind Out
- See Comments

Access & Coverage

- Poor Cleaning
- Partial Int. Inspection
- External Inspection
- NDE Inspection
 - M UT
 - R BH
 - PT Other _____

Other

- See Comments
- Ground Cable Y N
- Ladders/Handrail/Walkway Damage
- Nameplate Secure N
- Nameplate Legible N
- See Attached Pictures

Shell TOP
 BOTTOM

- Good Condition
- External Corr.
- Pitted - Light
- Pitted - Severe
- Scaled - Light
- Scaled - Heavy
- Blistered
- N/A Insulated

Nozzles

- Good Condition
- Cracked
- Scaled
- Plugged
- Poor Welding
- Leaking
- Seal Face Corrosion
- Bolts Missing/Loose/Damage
- Partial Int. Inspection

External Protection

- Good Condition
- Fireproofing Cracked
- Insulation Damaged
- Paint Deteriorated
- Corrosion Under Insulation (CUI)
- Asbestos YES NO
- Insulated YES NO

Welds

- Good Condition
- Corroded
- Cracked
- Broken
- Poor Quality

Supports

- Good Condition
- Distorted
- Cracked
- Broken
- Poor Installation
- Bolts Missing/Loose/Damaged
- Support Ring Damaged
- N/A

Heads TOP
 NORTH
 WEST

Heads BTM
 SOUTH
 EAST

Pressure Gauge

- Glass Intact
 - YES
 - NO
- Within Operating Limits
 - YES
 - NO
- Obvious Leaks
 - YES
 - NO

Vessel Repad

- N/A
- Vent Holes
 - 1
 - 2
- Plugged
 - YES
 - NO

PIPING - PSV

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

PIPING - INLET

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

PIPING - OUTLET/DRAIN

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

EXTERNAL VISUAL INSPECTION

ABSA #: _____ SIGMA JOB#: _____

OBSERVATIONS:

- Vessel is in Good Condition
- API 510 External Inspection confirmed the equipment is fit for continued service
- NOT FIT FOR SERVICE, DETAILS BELOW

RECOMMENDATIONS:

PICTURES: