

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

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

Comments _____

Reason for Inspection

☒ PLANNED - IN SERVICE

☐ PROBLEM INVESTIGATION

☐ PROCESS CHANGE

☐ COMMISSIONING

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 ☐ 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: