

AE

Report No: VP000052

Client	Newalta Corporation	Inspection Date	Feb 13, 2015	
Prov. Reg. #	AB 0647153	Inspection Type	INSTALL	
Equipment Type	Vertical Blow Off Tank	LSD	AB 08-09-067	7-05W6
Tag/Equip.		Location	Gold Creek W Facility	/aste Management
Status	In Service	Area	Gold Creek	
Manufacturer	AT&S Advanced Tanks & Systems	Year Built	2014	
Serial Number	10434.3	Service	Hot Water	
CRN #	C2282.6527804913	Manway	Yes	
Comp/Unit Id		Coating	Yes	
Nat.Board #		Owned By	Newalta Corp	oration
Interim Insp'n		Interim Insp Type		
Next Inspection	2020	Next Insp Type	VE / VI / UT	
Length		Height		
Volume		RT		нт
Job No.	1435.024	Client Reference		
Foreman	Bryan Wagner	DownholdLSD		
ABSA	Plant: O Vessel: B Process: I	Special: 0	ASME	Sec. VIII div. 1
History Log	As per ABSA ESR A#0647153 has been assigne A0647153 (Vertical Blow Off Tank) Inspection Pla		4 replaced with	A0647153

Component	SHELL 1					
MAWP	15	50.00 PSI @ 550 °F		MDMT	-20 °F @ 21.8 PSI	
Material	SA-516-70		Material Thickness		0.375 in	
Diameter		35.25 in	Length		34.625 in	
Corrosion Allowance		0.125 in				



Report No: VP000052

Component	Top Head				
Material	SA-516-70		Material Thickness	0.3938 in	
Corrosion Allowance 0.12		0.125 in			

Component	Bottom Head				
Material	SA-516-70		Material Thickness	0.3938 in	
Corrosion Allowance		0.125 in			

<u>Comments</u>

This is a blow down vessel open to atmosphere (not under any internal pressure).

Building Observations

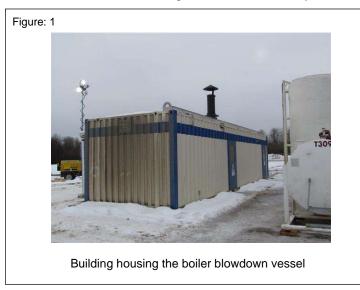
The building houses the boiler, the blowdown vessel, the boiler feed water supply storage tank and the water treatment system.

There is enough room for emergency storage and daily operation.

The building has two doors and one double open door on burner target side.

Building is a sea can type with a checkered metal plate floor.

Note: There are drain provisions made on the floor. There is enough natural and artificial light to perform work ergonomically. The heat is maintained through an electrical heat system in the air circulation.



Piping Observations

The piping from blow down vessel comes to a truck out point.



Report No: VP000052



Piping from blow down vessel comes to a truck out point

PSV Observations

PSV exempt (vessel is not under pressure)

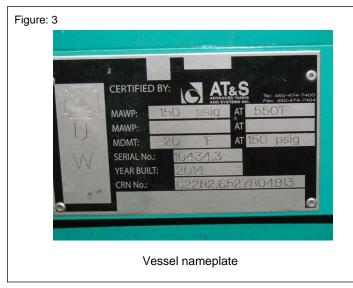
External Observations

The boiler blow down tank is not insulated.

It has a coating which is green in color.

The vessel is supported on 3 angle iron legs welded to the vessel and skid floor. Manway with internal manway door designed as per cyclic condition. The vessel is situated in a corner at the largest side of boiler inside the building.

There is no level indication for the blow down vessel.





Vessel general view



Report No: VP000052



Vessel supported on angle iron legs

Internal Observations

No internal inspection was done.

Recommendations

Attend to the following:

- 1) The low water cutoff valve installed has no testing switch
- 2) The front and rear doors on the boiler require double nuts to be installed (currently has single nuts)
- 3) The backwash line from the water treatment system needs provision for draining
- 4) The PSV discharge pipe is currently capped just outside the boiler building. The PSV discharge pipe should be at least
- 18 inches from the building and the ends are to be chamfered down to prevent rain water from entering the discharge piping.
 5) The gas analyzing port in the stack needs to be plugged
- 6) The stop valve in the main steam line is not easily accessible and might require a permanent step ladder for easy
- operator access

7) There needs to be a rubber seal around the main steam line coming off the boiler building to prevent water from entering the building.

Albertan Albertan

Cobus du Plessis Alberta IBPV #A-60923

Inspector: Vishnu Pooviah

Reviewed By: Cobus du Plessis