

TANK INSPECTION REPORT

Sequence Number	20210007
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TANK SELECTOR

TANK TAG ID# SELECTOR	ST58742
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COVER PAGE DATA

COVER PAGE PHOTO	
NAMEPLATE IMAGE	
NAMEPLATE IMAGE	
LEASE IMAGE	
NDE BY:	
EQUIPMENT NUMBER	

GENERAL INFORMATION

INSPECTION DATE	2022-06-03
TAG NUMBER	ST58742

TANK INSPECTION REPORT

LOCATION DETAILS

INSPECTION TYPE	Internal inspection
UNIT ID	
PLANT ID	
SURFACE LOCATION	07-04-071-18W5
UWID	
SERVICE	
DISTRICT	
FIELD	SNIPE LAKE
PACKAGE NUMBER	H2O TANK FARM

TANK DETAILS

TANK TYPE	AST - PRODUCED WATER
DESIGN STANDARD	
DESIGN PRESSURE	
MANUFACTURER	GLM
SERIAL NUMBER	J-05-029-2
YEAR BUILT	2005
YEAR INSTALLED	

DIMENSIONAL

CAPACITY	2000 BBL
DIAMETER	258 inch
HEIGHT	388 inch
FLOOR THICKNESS	0.25 Inch
SHELL THICKNESS	0.25 Inch
ROOF THICKNESS	0.25 Inch

EXTERNAL INSPECTION - GENERAL

T1 - OTHER (Please Explain In Notes)	GOOD
Comments	
T2 - CORROSION	GOOD
Comments	
T3 - LEAKS	NA
Comments	
T4 - VIBRATION	NA

TANK INSPECTION REPORT

Comments	
T5 - DISSIMILAR FLANGE RATING	NA
Comments	
T6 - LADDER/STAIRWAY	GOOD, YES
Comments	
T7 - PLATFORM	YES, GOOD
Comments	
T8 - ELECTRICAL GROUND	
Comments	
T9 - CATHODIC PROTECTION	GOOD
Comments	
T10 - PAINTED INACTIVE CORROSION	NA
Comments	
T11 - COATING / PAINTING	NA
Comments	
T12 - LEVEL GAUGE	GOOD, YES
Comments	
T13 - BOTTOM	YES, GOOD
Comments	
T14 - SECONDARY CONTAINMENT	YES, GOOD
Comments	
T15 - SHELL	YES, GOOD
Comments	
T16 - ROOF	YES, GOOD
Comments	
T17 - AGITATOR	NA
Comments	

EXTERNAL INSPECTION - SUPPORTS

T31 - OTHER (Please Explain In Notes)	NA
Comments	
T32 - FOUNDATION	YES, GOOD
Comments	

TANK INSPECTION REPORT

T33 - ANCHOR BOLTS	YES, GOOD
Comments	
T34 - WINDGIRDERS	NA
Comments	

EXTERNAL INSPECTION - CONNECTIONS

T41 - OTHER (Please Explain In Notes)	GOOD, YES
Comments	
T42 - SMALL BRANCHES	GOOD, YES
Comments	
T43 - NOZZLES	YES, GOOD
Comments	
T44 - PIPE MANIFOLDS	NA
Comments	
T45 - SWING LINES	NA
Comments	
T46 - MANWAYS / HATCHES	YES, GOOD
Comments	
T47 - REINFORCING PADS	NA
Comments	
T48 - INADEQUATE THREAD ENGAGEMENT	NA
Comments	
T49 - BOLTING	YES, GOOD
Comments	
T50 - FLANGES	YES, GOOD
Comments	

EXTERNAL INSPECTION - INSULATION

T61 - OTHER (Please Explain In Notes)	YES, GOOD
Comments	
T62 - DAMAGE	NA
Comments	
T63 - PENETRATIONS	NA
Comments	

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T64 - JACKET	YES, GOOD
Comments	
T65 - BANDING	YES, GOOD
Comments	
T66 - SEALS / JOINTS	YES, GOOD
Comments	

EXTERNAL IMAGES

EXTERNAL IMAGE	
IMAGE COMMENT	

EXTERNAL IMAGES (1)

EXTERNAL IMAGE	
IMAGE COMMENT	

EXTERNAL IMAGES (2)

TANK INSPECTION REPORT

EXTERNAL IMAGE	
IMAGE COMMENT	

EXTERNAL IMAGES (3)

EXTERNAL IMAGE	
IMAGE COMMENT	

EXTERNAL IMAGES (4)

EXTERNAL IMAGE	
IMAGE COMMENT	

EXTERNAL IMAGES (5)

TANK INSPECTION REPORT

EXTERNAL IMAGE	
IMAGE COMMENT	

EXTERNAL IMAGES (6)

EXTERNAL IMAGE	
IMAGE COMMENT	

INTERNAL INSPECTION

OPEN INTERNAL INSPECTION	Yes
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INTERNAL INSPECTION - GENERAL T1-T11

T1 - OTHER (Please Explain In Notes)	YES, SEE NOTE
Comments	Internal Inspection revealed areas of coating failure and corrosion of the parent material within those areas. On the floor parent material it had corroded through the floor causing the product to leak. This area had a plate 20" x 8" repaired over the existing floor material. This plate encompassed 3 different coating failure and pitted areas. Numerous coating failure areas throughout shell and floor were noted during the inspection. These areas were physically marked during the inspection for coating repair.
T2 - CORROSION	YES
Comments	
T3 - ERROSION	NA
Comments	
T4 - DISTORTION	NA

TANK INSPECTION REPORT

Comments	
T5 - BLISTERS	NA
Comments	
T6 - DEPOSITS	NA
Comments	
T7 -WELDS	GOOD
Comments	
T8 - NOZZLES	YES, SEE NOTE
Comments	Coating failure around roof and shell nozzles.
T9 -SHELL	YES, SEE NOTE
Comments	Pitting and coating failure on tank shell.
T10 - ROOF	YES, SEE NOTE
Comments	
T11 - FLOOR	SEE NOTE
Comments	Pitting and coating failure on tank floor.

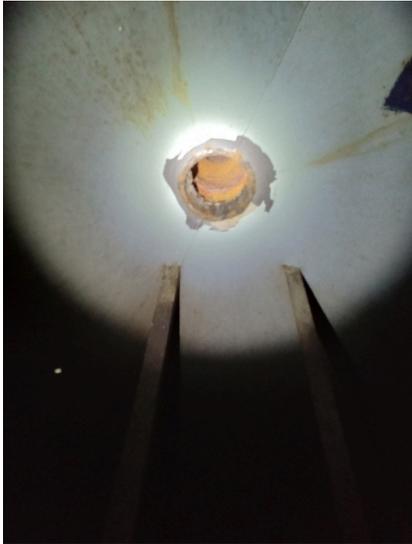
INTERNAL INSPECTION - GENERAL T21-T30

OTHER - FIRETUBE	NA
Comments	
HEATING COIL	NA
Comments	
T21 - OTHER - ANODES	YES, GOOD
Comments	Replaced with new aluminum anodes.
T22 - ANNULAR RING	GOOD, YES
Comments	
T23 - SUMP	NA
Comments	
T24 -ROOF SUPPORT	YES, GOOD
Comments	
T25 - THERMOWELLS	YES, GOOD
Comments	
T26 - METALLIC LININGS	NA
Comments	
T27 - NON METALLIC LININGS	YES, SEE NOTE
Comments	Coating failure present.

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T28 - INTERNAL STEAM COIL / OTHER PIPING	NA
Comments	
T29 - LEVEL GAUGE	GOOD
Comments	
T30 - OTHER WELDED ATTACHMENTS	GOOD
Comments	
BACKWELDING REQUIRED	NA
Comments	

INTERNAL IMAGES

INTERNAL IMAGE	
IMAGE COMMENT	Roof nozzles

INTERNAL IMAGES (1)

INTERNAL IMAGE	
IMAGE COMMENT	Roof nozzles

INTERNAL IMAGES (2)

TANK INSPECTION REPORT

INTERNAL IMAGE	
IMAGE COMMENT	5th course from bottom coating repair.

INTERNAL IMAGES (3)

INTERNAL IMAGE	
IMAGE COMMENT	5th course from bottom coating repair.

INTERNAL IMAGES (4)

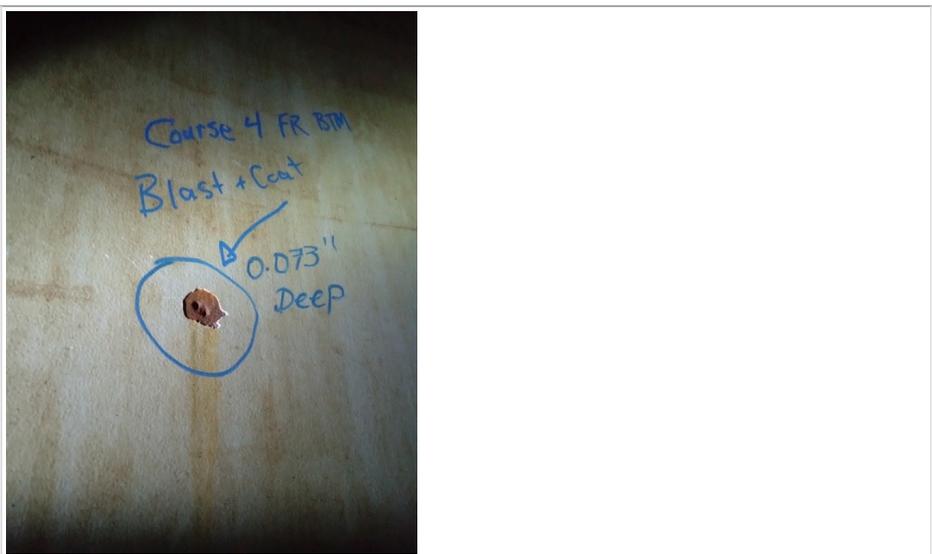
TANK INSPECTION REPORT

INTERNAL IMAGE	
IMAGE COMMENT	4th course from bottom coating repair.

INTERNAL IMAGES (5)

INTERNAL IMAGE	
IMAGE COMMENT	4th course from bottom coating repair.

INTERNAL IMAGES (6)

INTERNAL IMAGE	
IMAGE COMMENT	4th course from bottom coating repair.

INTERNAL IMAGES (7)

TANK INSPECTION REPORT

INTERNAL IMAGE	
IMAGE COMMENT	Holed through area on floor.

INTERNAL IMAGES (8)

INTERNAL IMAGE	
IMAGE COMMENT	Weld repair area requiring coating repair.

INTERNAL IMAGES (9)

INTERNAL IMAGE	
IMAGE COMMENT	Bottom shell coating repair.

INTERNAL IMAGES (10)

TANK INSPECTION REPORT

INTERNAL IMAGE	
IMAGE COMMENT	2nd course shell coating repair.

INTERNAL IMAGES (11)

INTERNAL IMAGE	
IMAGE COMMENT	Bottom shell coating repair.

INTERNAL IMAGES (12)

INTERNAL IMAGE	
IMAGE COMMENT	Manway coating repair.

INTERNAL IMAGES (13)

TANK INSPECTION REPORT

INTERNAL IMAGE	
IMAGE COMMENT	Manway coating repair.

INTERNAL IMAGES (14)

INTERNAL IMAGE	
IMAGE COMMENT	Tank floor coating repair.

INTERNAL IMAGES (15)

INTERNAL IMAGE	
IMAGE COMMENT	Tank floor coating repair.

INTERNAL IMAGES (16)

TANK INSPECTION REPORT

INTERNAL IMAGE	
IMAGE COMMENT	Tank floor coating repair.

INTERNAL IMAGES (17)

INTERNAL IMAGE	
IMAGE COMMENT	Tank floor coating repair.

INTERNAL IMAGES (18)

INTERNAL IMAGE	
IMAGE COMMENT	Tank floor coating repair.

INTERNAL IMAGES (19)

INTERNAL IMAGE	
IMAGE COMMENT	Tank floor coating repair.

INSPECTION COMMENTS

TANK INSPECTION REPORT

COMMENTS	Upper 4 & 5 shell courses to be coated before removing scaffold. Once scaffold is removed, check areas of tank floor for additional coating repairs areas that were not identified due to scaffold obstruction. Coating repair areas where seen were identified with blue paint stick as shown above in pictures.
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FIELD INSPECTOR SIGN OFF

INSPECTED BY	E. Glenn Allen
API CERTIFICATION	API510# 26089
INSPECTED BY SIGNATURE	
INSPECTION DATE	2022-06-03