Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 1**

Component Inspected: DA

Condition Assessment: The RHS/East end shell to head weld had issues with a past patch and flashing.

1. The South side of the shell had flashing damage between the head weld and the inlet lines from the FWH vents. This also started causing undercut on the head weld. No UT data could be taken because of irregular surface from flashing damage but area was <25% wall loss.
    a. Area is ~24.375in^2.
2. The shell to head weld also had porosity in the weld, found in several spots totaling ~13" from the 8:00-9:00 position (looking at the head from East-to-West.

Recommendations:

1. Grind out the started undercut on the weld from flashing damage, and grind down imperfections in the shell from flashing damage. Tie into the existing weld that had undercut started, and then perform base metal restoration (pad welding) in the marked area.
2. Grind out any porosity in the previous weld, and tie into existing weld with new weld.

**Shell (3/8" THK) and heads (7/16" THK) are both the following material: ASTM A-515 Gr.70.

Criticality: P2

Risk if NOT Performed:

EKP Comments:

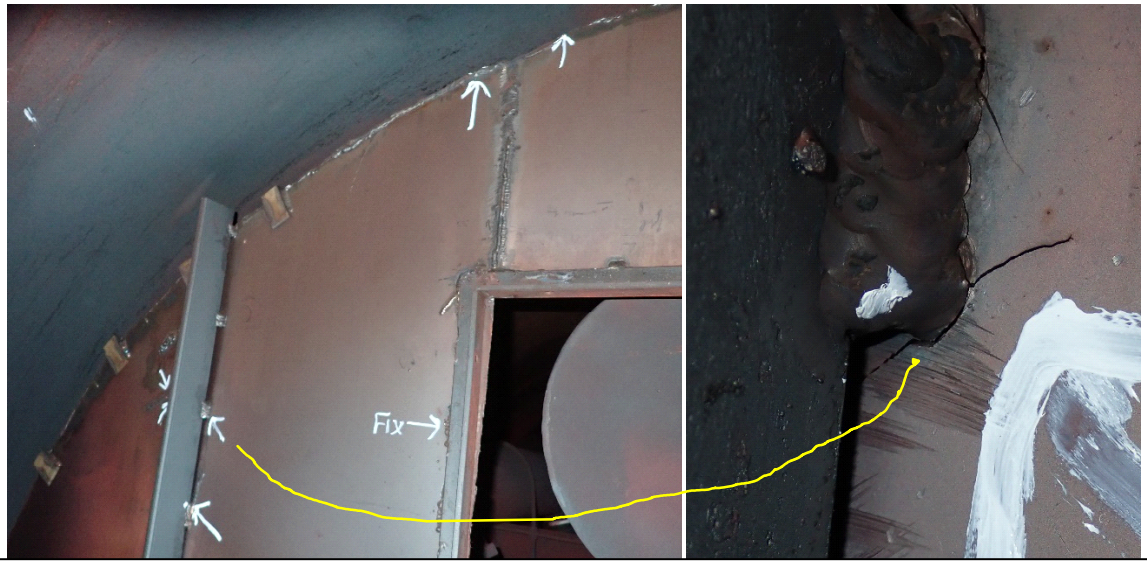
Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 2**
Component Inspected: DA			
Condition Assessment: The lower FWH drains inlet baffle, located on the RHS/East end of the DA, had 11" of weld on the top weld to the head where there was lack of fusion and visible gaps on the baffle side.			
Recommendations: Use grinder to clean area. Weld over affected area to join baffle with head. Most likely, 2 or more passes will be needed to weld the affected area. **Shell (3/8" THK) and heads (7/16" THK) are both the following material: ASTM A-515 Gr.70.			
Criticality: P3			
Risk if NOT Performed:			
EKP Comments:			

Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 3**
Component Inspected: DA			
Condition Assessment: The tray enclosure had an ~6" LG rip on the upper North side of the enclosure, located ~10-12' in from the RHS/East access door.			
Recommendations: Wait for a future year when all trays are removed, to allow access to the repair.			
Criticality: INFO			
Risk if NOT Performed:			
EKP Comments:			

Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 4**
Component Inspected: DA			
Condition Assessment: The LHS/West end of the DA had steam erosion on the lower part of the shell/head, where the head weld is located and a past patch was installed. It appears that the patch sticks into the DA and makes it difficult to determine severity of any possible erosion to the weld line. The identified area of the head weld was located from the 3:30-5:00 position (looking West-to-East), and equates to ~34.75in^2 of weld needed to build up the head weld. UT=0.388" within 1" of weld and increases to 0.405" at 1½" from the weld. **Shell (3/8" THK) and heads (7/16" THK) are both the following material: ASTM A-515 Gr.70.			
Recommendations: Build up shell/head weld for a smooth transition from head to the shell repair patch.			
Criticality: P2			
Risk if NOT Performed:			
EKP Comments:			

Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 5**
Component Inspected: DA			
Condition Assessment: The LHS/West tray enclosure doors (top and bottom) needed numerous weld repairs from holes in the weld or any cracks.			
Recommendations: Perform weld repairs to all areas of the door, to ensure a full seal weld. **Tray compartment material is 304 SS.			
Criticality: P3			
Risk if NOT Performed:			
EKP Comments:			

Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 6**
Component Inspected: DA			
Condition Assessment: The LHS/West end of the tray enclosure had several cracks in stiffener welds, and holes in the weld along the top corner/weld seam of the North half of the tray enclosure.			
Recommendations: Grind out any cracks, and re-weld all areas to ensure a fully sealed tray enclosure. **Tray compartment material is 304 SS.			
Criticality: P3			
Risk if NOT Performed:			
EKP Comments:			



Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 7**
Component Inspected: DA			
Condition Assessment: The LHS/West end of the tray enclosure had several cracks in stiffener welds, and holes in the weld along the top corner/weld seam of the South half of the tray enclosure. This also consisted of a 13 ½" LG rip in the top corner.			
Recommendations: 1. Grind out any cracks, and re-weld all areas to ensure a fully sealed tray enclosure. 2. On the long seam failure, use a screw-dog as necessary and get the tray enclosure pulled back			

together and seal weld.
3. After welding the long seam, install a 2”x2”x1/4” (1” wide) strap across the top and side of the enclosure, and stitch weld this in place to provide additional stability, similar to previous repairs.

**Tray compartment material is 304 SS.
**2”x2”x1/4” SS angle in old U2 stack.

Criticality: P2

Risk if NOT Performed:

EKP Comments:

Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 8**

Component Inspected: DA

Condition Assessment: The North side of the tray enclosure had a 2 ½’ LG horizontal rip in the enclosure, ~6” above the trays.

Recommendations:
1. Remove 6-8 trays for access into the tray enclosure.
2. Install a duck-bill porta-power or similar tooling on the outside of the tray enclosure, to push

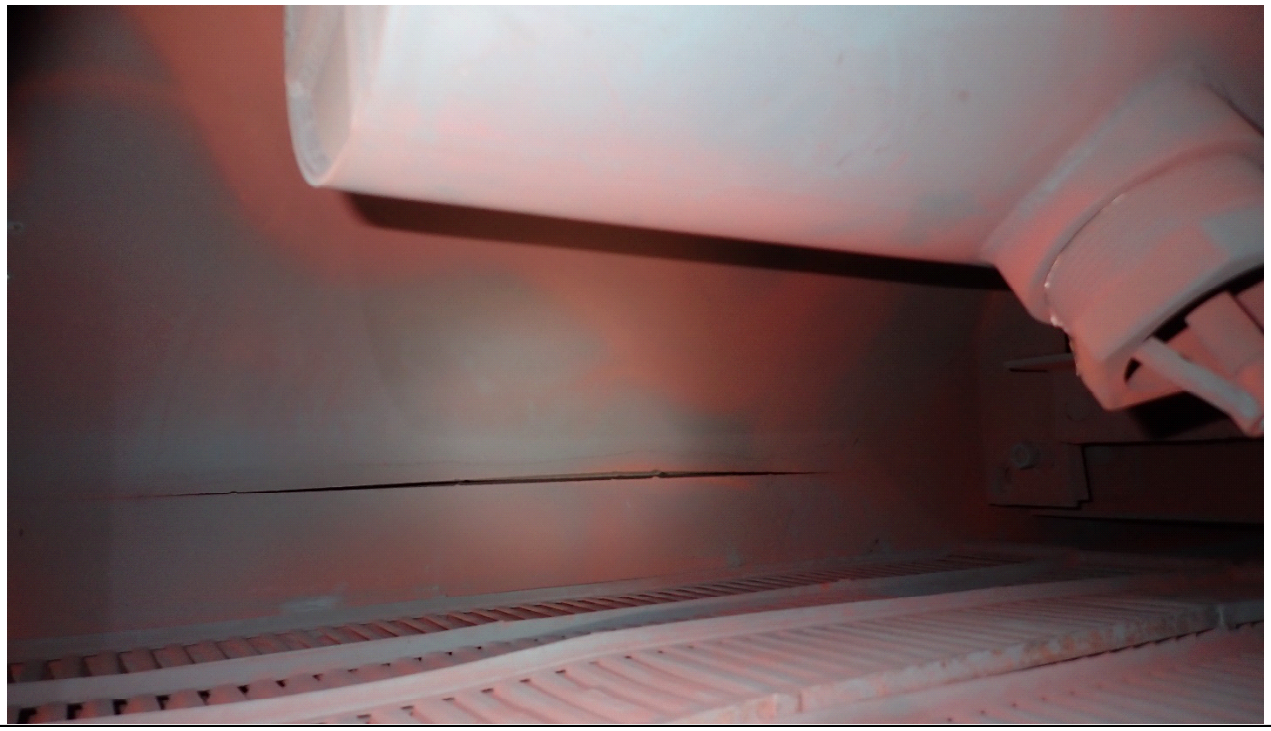
against the shell and push the tray enclosure back together.
3. Stitch weld the tray enclosure rip initially, then follow-up with full seal weld.
4. Add 3 pieces of 1½" x 3/16" (2" LG) SS flat bar across the inside of the seam to provide additional strength, and stitch weld it to the top and bottom sides of the seam.

**Tray compartment material is 304 SS.

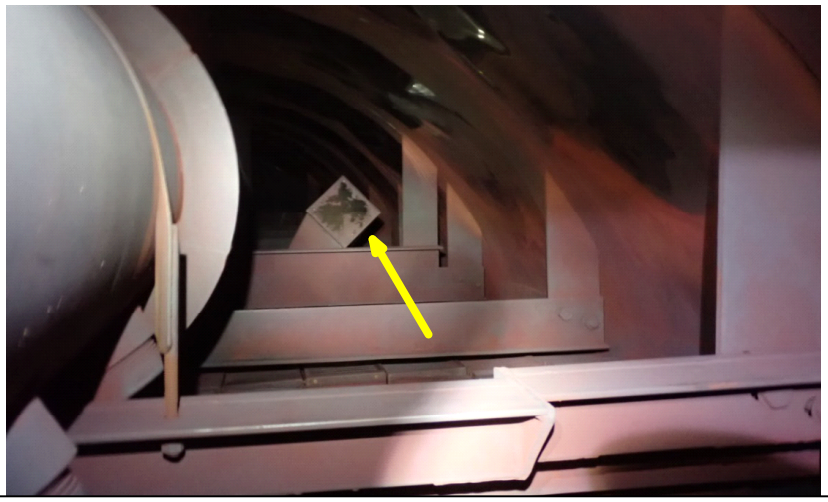
Criticality: P3

Risk if NOT Performed:

EKP Comments:



Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 9**
Component Inspected: DA			
Condition Assessment: One tray was found up on top of the support. Otherwise, all other trays were in place, including along the entire bottom of the tray enclosure.			
Recommendations: Continue to monitor in 2025. Plan to remove all trays to access this area if several other trays are found up out of place in 2025.			

Criticality: INFO
Risk if NOT Performed:
EKP Comments: 

Date: 3/22/2024	**Inspected by: EKPC (J.Schaeffer)**	**Unit: 2**	**Item: 9**
Component Inspected: DA			
Condition Assessment: The West end of the tray enclosure had the bottom angle eroded from steam erosion on the steam inlet.			
Recommendations: Plan to replace the 2"x2"x3/8" (49" LG) SS frame in 2025.			
Criticality: INFO			
Risk if NOT Performed:			
EKP Comments: