

## Inspection Photos

Location Name: Harrison Cr Wtr Trtment Fac Impound

Location ID: 425510 & Facility ID: #441238

Inspection Date: April 09, 2019



**Photo #1 – View of discharge point for ‘Pond 4’ dewatering system (located at NE side of pit complex). COGCC has suggested previously that operator install a sign to identify discharge to stormwater ditch. No sign had been installed prior to inspection date.**



**Photo #2 – Unidentified ¼” stainless line located east of ‘Pond 2’ lacks any protection from truck traffic.**

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**Photo #3 – Junk tires located east of 'Pond 2,' near monitoring well.**



**Photo #4 – Sediment transport and gravel/road base encroachment onto pit liner at SE corner of 'Pond 2.'**



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**Photo #5 – Hole in pit liner (on south side of ‘Pond 2,’ near anchor trench) measuring approximately 5” x 5”.**



**Photo #6 – Damaged sand bag on top of liner (on west side of ‘Pond 2,’ near anchor trench).**

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**Photo #7 – Erosion rill with on-site sediment transport observed along west fence line (1).**



**Photo #8 - Erosion rill with on-site sediment transport observed along west fence line (2).**



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**Photo #9 – Sediment accumulation in low portion of the pit berm (northwest side of 'Pond 2').**



**Photo #10 – Transport of sediment and rocks onto liner (northwest side of 'Pond 2').**

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**Photo #11 – Plastic trash on north side of 'Pond 2.'**



**Photo #12 – Damaged sandbags and sediment transport onto liner on north side of 'Pond 2.'**



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**Photo #13 – Hose leading to agitator resting directly on pit liner on east side of 'Pond 2.' Note steady drip observed from taped area of hose.**



**Photo #14 – Leak detection system on east side of 'Pond 3.'**



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Photo #15 – Unused equipment east of 'Pond 3' (1).



Photo #16 - Unused equipment east of 'Pond 3' (2).



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**Photo #17 – Hole in liner (SE corner of ‘Pond 3’) reported to operator under previous Field Inspection Report had been patched prior to inspection date.**



**Photo #18 – Hole in south side of liner (‘Pond 3,’ along anchor trench).**

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**Photo #19 – Steel cable on south side of 'Pond 3' has caused damage to pit liner (~4" tear, red circle).**



**Photo #20 – Egress ladder on south side of 'Pond 3' has steel cables with metal hardware in direct contact with pit liner (1).**



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**Photo #21 - Egress ladder on west side of 'Pond 3' has steel cables with metal hardware in direct contact with pit liner (2).**



**Photo #22 – Evidence of erosion and subsidence observed at valve can with flowline riser located north of 'Pond 3.'**

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**Photo #23 – Evidence of subsidence observed at valve can with flowline riser located north of 'Pond 3' (red circle).**



**Photo #24 – Unidentified riser located northeast of valve can, between 'Pond 3' and 'Pond 4.'**



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**Photo #25 - Egress ladder on north side of 'Pond 3' has steel cables with metal hardware in direct contact with pit liner (3).**



**Photo #26 – Erosion and sediment transport leading north from 'Pond 3,' toward 'Pond 4.'**

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**Photo #27 – Foreign debris encroaching onto pit liner on north side of 'Pond 3.'**



**Photo #28 - Hose leading to agitator resting directly on pit liner on north side of 'Pond 3.' Note wood debris and cable resting on top of liner.**



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**Photo #29 – Evidence for transport of sediment and rocks into pit/onto pit liner observed in NE corner of 'Pond 3.'**  
**Note trash observed inside of pit (red circle).**



**Photo #30 – Pit liner beneath inlet on east side of 'Pond 3' appeared to be bulging/floating on inspection date.**

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**Photo #31 – Assorted trash/debris inside of tank battery secondary containment area. Note fluids inside of tank battery did not exhibit hydrocarbon sheen or odor on inspection date.**



**Photo #32 – 400 bbl produced water AST has NFPA placard and volume label on SE side.**



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Photo #33 - Metal trash and debris observed in SW corner of tank battery containment area on inspection date.



Photo #34 – Field photo dated **November 19, 2018** documents conditions of metal scrap from previous photo.

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**Photo #35 – Unused pipe and tarp located outside of tank battery secondary containment (on west side).**



**Photo #36 – Pipeline manifold, valve can, and electrical infrastructure located on east side of 'Pond 4.' Note trash can in foreground was unsecured on inspection date.**



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**Photo #37 – View of additional unused equipment and debris (liner material, pvc pipe, wooden pallet, damaged sandbags) located east of 'Pond 4.'**



**Photo #38 – View of 'Pond 4' from east side.**

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**Photo #39 – Dewatering system outlet on east side of ‘Pond 4.’ Note that 2” pipe and hose are supported by damaged sandbag and rock.**



**Photo #40 – Foreign debris (rocks/road base) encroaching into pit from NE corner.**



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**Photo #41 – Junk and debris (metal wire) resting on top of pit liner at north side of pit.**



**Photo #42 – Foreign debris (rocks/road base) and stormwater entering pit from SW corner. Note trash on top of pit fluids (red circle).**

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**Photo #43 – Inlet pipe at SW side of pit has come apart, resulting in foreign object and metal hardware in direct contact with pit liner.**



**Photo #44 – Stormwater accumulation in depression on south side of 'Pond 4,' near monitoring well.**





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**Photo #45 - Stormwater entering pit from south side.**



**Photo #46 – Erosion and stormwater run-on toward 'Pond 4' leading from tank battery area SE of pit.**



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