

SAP Completed 10/15/23 JS

Shift Supervisor  
BLAND, Ashley

Plant US62

Start Time 10/14/23 18:00  
Finish Time 10/15/23 6:00  
Operating Time 12.0

Production Date 10/14/23 18:00

Utilities	
Steam	107,160 lb
Water	79,505 G
Waste Water	16,883 G 42,439 kg
Nitrogen	41,760 cf
Electricity	6,123 kwh
Natural Gas	0 cf

RLH	Location	Downtime	hrs
940193 CST Consummed	T802	2.00	
939829 Water To Be Treated	2900		
CWT			
940183 PST Recovered	T804		
938080 BioMass Generated	T808		
940191 CST Lights	T801		

5761157

Sulfites (ThOx)	Location	Downtime	hrs
940191 CST Lights Consummed	QALD	0.00	
982529/982527 50%/25% NaOH Consumed	T815		
984170 Sulfites Generated	T601		

5761931  
\* Not Consuming  
caustic

Tank #	Level
TK601 Sulfites	15,548 kg
TK801 CST	117,352 kg
TK802 CST	229,853 kg
TK803 CST	9,648 kg
TK803 CWT	-
TK804 PST	134,095 kg
TK805 DST	69,285 kg
TK806 BPI	21,052 kg
TK807 API-2	57,620 kg
TK808 Res 1	15,350 kg
TK809 Res 2	7,517 kg
TK810 API-2	11,675 kg
TK810 BPI	-
TK811 API-2	-
TK811 API-3	-
TK812 DIP	1,487 kg
TK814 H2O2	8,445 kg
TK815 NaOH	74,902 kg
TK706 Untreated Wastewater	51,338 G
TK707 Treated Wastewater	33,017 G

Deod	Location	Downtime	hrs
940183 PST Consummed	T804	0.00	
948354 H2O2 Consummed	T814		
982529/982527 50%/25% NaOH Consumed	8260		
939829 Water to be Treated	2900	-94	G
940186 DST Generated	T805		

5761246


API2	Location	Downtime	hrs
940186 DST Consummed	T805	0.00	
992151 Alpha-Tocopherol	8260	Dst Theoretical	26,578
973980 API2 Produced	T807		
973980 API1 Produced	T810		
974031 BPI Produced	T806		
939238 DIP Produced	T812		
938080 BioMass Produced	T809		

243516  
5761328

API3	Location	Downtime	hrs
973980 API 2 Consummed	T807	12.00	
992151 Alpha-Tocopherol	8260		
973993 API3 Produced	T811		
940193 CST Recovered	T801		

N/A

Need G.O's

	DAILY SHIFT CHECKLIST	NAME: <u>James Powell</u>
		DATE: <u>10/14/23</u>

**Fire Water Tank**

Tank Level is ok? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>Jockey Pump</b>	<b>Diesel Pump</b>
Diesel Tank Free of Leaks? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ready	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Batteries Bank #1 <input checked="" type="checkbox"/> Bank #2 <input type="checkbox"/> <u>13</u> volts	Pressure	<u>150</u> psi	<u>155</u> psi
Batteries Free of Buildup? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Comments:			

**Water Booster Pump**

Pump Online 734A <input checked="" type="checkbox"/> 734B <input checked="" type="checkbox"/>	Discharge Pressure <u>105</u> psi
Pumps are free from excessive noise Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	VFD <u>60</u> %
Comments:	

**Boiler SG701**

Water Level is OK? (sightglass) High <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Low <input type="checkbox"/>	Boiler Blowdown Complete	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Economizer Water In <u>227</u> °F	Combustion Air Temp	<u>72</u> °F
Economizer Water Out <u>241</u> °F	VFD	<u>47</u> °F
Stack Temp Economizer In <u>469</u> °F	Efficiency	<u>79</u> %
Stack Temp Economizer Out <u>443</u> °F	Firing Rate	<u>52</u> %
Steam Pressure <u>126</u> psi	Water Temp	<u>350</u> °F
Oxygen Concentration <u>4.3</u> %	Elapsed Time	<u>26050</u>
Nat. Gas Reading (main line) <u>Faulted</u> MCF	Number of Cycles	<u>24567</u>
Comments:		

**Water Softeners**

Salt Level OK? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/> OFFLINE	Bank A (North)	Bank B (South)
Salt Added <u>0</u> bags	Remaining Capacity	<u>30</u> %	<u>100</u> %
Comments:	Remaining Gallons	<u>2620</u> G	<u>28500</u> G
	Current Flow	<u>0</u> G	<u>0</u> G
	Today's Usage	<u>0</u> G	<u>0</u> G
	Daily Average	<u>0</u> G	<u>0</u> G
	Total Water	<u>4026153</u> G	<u>1769622</u> G



**DA Tank**

733A <input checked="" type="checkbox"/> 733B <input type="checkbox"/>	<u>210</u> psi
Level	<u>35.2</u> %
Flow	<u>268</u> kg/hr
Pressure	<u>5.3</u> psi
Temperature	<u>228.7</u> °F
Comments:	

**Tempered Water**

Pump Running?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Header Temperature	<u>20.7</u> °C	
Differential Pressure	<u>NA</u> psi	
	<b>TP001A</b>	<b>TP001B</b>
Temperature	<u>30</u> °C	<u>35</u> °C
Pressure	<u>60</u> psi	<u>70</u> psi

**Air Compressor (South CUB)**

Package Disch Pressure	<u>117</u> psi
First Stage Disch Temp	<u>73</u> °F
Second Stage Inlet Pressure	<u>0</u> psi
Second Stage Inlet Temp	<u>69</u> °F
Second Stage Disch Pressure	<u>0</u> psi
Second Stage Disch Temp	<u>73</u> °F
Bearing Oil Temp	<u>69</u> °F
Bearing Oil Pressure	<u>0</u> psi
Oil Pressure Drop	<u>0</u> psi
Total Hours	<u>40442</u>
Loaded Hours	<u>22774</u>
Comments:	

**Air Compressor (North CUB)**

Power On	<u>7918</u> hours
Running Hours	<u>2153</u> hours
Loaded Hours	<u>1209</u> hours
Inlet Vac.	<u>0</u> psi
Sump Pressure	<u>58</u> psi
Pkg Disch Pressure	<u>110</u> psi
Sep Press Drop	<u>0</u> psi
Coolant Filter Drop	<u>2</u> psi
Air end Disch Temp	<u>185</u> °F
Inject Coolant Temp	<u>172</u> °F
Motor Speed	<u>188</u> rpm
Capacity	<u>53</u> %
Package kW	<u>30</u> kW

**Air Dryers** *High Humidity*

All Systems OK?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Online	Bank A (north)	Bank B (south)
Differential Pressure	<u>NA</u>	
Drains Free of Water?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Dew Point Temp	<u>29</u>	

**Boiler Chemistry**

Hardness (softeners)	Blue <input type="checkbox"/> Pink <input type="checkbox"/>
Conductivity (meter)	<u>NA</u> µm/cs
Conductivity (display)	<u>253</u> µm/cs

**CTW Chemistry**

Conductivity (meter)	<u>NA</u> µm/cs	
Conductivity (display)	<u>158</u> µm/cs	
Flow	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH	<u>NA</u> pH	
ORP MV	<u>209</u>	
WM1 <i>123967</i>	WM2	<u>0</u>
Katham 1.5% Biocide	<u>NA</u> G	

**Cooling Tower**

P721a <input type="checkbox"/> P722 <input type="checkbox"/>	P719 <input type="checkbox"/> P720 <input checked="" type="checkbox"/>
Supply Temperature	<u>32.2</u> °C
Return Temperature	<u>28.7</u> °C
City Water Totalizer	<u>81566.93</u> G
Blowdown Totalizer	<u>7055</u> G
Basin Level	<u>Empty</u> in/H2O

**Sand Filter**

On?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Diff Pressure	<u>NA</u> psi
Basin Level	<u>NA</u> in/H2O

**Nitrogen**

TK Level	<u>196.2</u> in
TK Pressure	<u>140</u> psi
Flow to Plant	<u>        </u> ft <sup>3</sup> /mn

**DI Water**

WM1	<u>12204890</u>
WM2	<u>0</u>
Conductivity (display)	<u>NA</u>

**Process Area / Tank Farm**

MCC Room not used for storage	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Desulfurization Hoses Leak Free	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
MCC Room Climate Controlled	<u>70</u> °F	Decanter TK502 Leak Free	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Power Reading	<u>1975</u> mkw <u>4269</u> mkw	Decanter TK701 Leak Free	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Deodorization Agitators OK?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Process Area Funnels Closed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
CA #1 free of standing water?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TS #1 Leak Free	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Peroxide Tank Leak Free	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TS #2 Leak Free	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Peroxide Dike drained/closed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Valves at CA #2 are closed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Tank Farm pumps leak free	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Tank farm free of excessive noise	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Knife Gate at CA #2a Closed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CA #1 Free of Terpenes	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Tank Levels Below LSHHs	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sluice Gate at CA #1 is Closed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
All pump containment areas are free of standing liquid and drain valves are closed		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Comments:			

**Pumps**

	Running	Leaking	Excessive Noise	Seal Fluid OK?	Seal Pot
P501C	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P501D	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P501A	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P303F	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>31</u> psi
P303E	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>38</u> psi
P303C	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P303D	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P302C	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>37</u> psi
P302E	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P301F	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>38</u> psi
P301E	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>37</u> psi
P301D	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>40</u> psi
P301C	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P102C	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>38</u> psi
P102D	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>39</u> psi
P102E	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>39</u> psi
P101C	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>38</u> psi
P101D	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>37</u> psi
P204	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P201B	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>37</u> psi

	Running	Leaking	Excessive Noise	Seal Fluid OK?	Seal Pot
P201A	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P101H	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P101G	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P101J	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>37</u> psi
P101I	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>38</u> psi
P102G	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>39</u> psi
P102H	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>40</u> psi
P301G	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>41</u> psi
P301H	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>40</u> psi
P301I	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P301J	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>37</u> psi
P302G	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> Low <input type="checkbox"/>	<u>38</u> psi
P302H	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>39</u> psi
P303G	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>40</u> psi
P601A	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	<u>36</u> psi
P601B	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	<u>36</u> psi
P201D	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P810A	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P810B	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P602	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P812	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>38</u> psi
P809	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> Low <input type="checkbox"/>	<u>39</u> psi
P811	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>39</u> psi
P803	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>40</u> psi
P101A	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>38</u> psi
P101B	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P301A	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>37</u> psi
P301B	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P802	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P711	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P726	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P733	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P814	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>40</u> psi
P501B	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>41</u> psi
P807	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>40</u> psi
P804	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P201C	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> Low <input type="checkbox"/>	<u>37</u> psi
P201E	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	<u>36</u> psi
P713A	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A
P713B	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	N/A

	P701	P715	P716	P717
Oil Level	Low <input type="checkbox"/> Run <input checked="" type="checkbox"/> High <input type="checkbox"/>	Low <input type="checkbox"/> Run <input checked="" type="checkbox"/> High <input type="checkbox"/>	Low <input type="checkbox"/> Run <input checked="" type="checkbox"/> High <input type="checkbox"/>	Low <input type="checkbox"/> Run <input checked="" type="checkbox"/> High <input type="checkbox"/>
CTW Flow	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
CTW Temp	<u>NA</u> °C out	<u>NA</u> °C out	<u>NA</u> °C out	<u>NA</u> °C out
N2 Flow	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> Low <input type="checkbox"/>
Discharge Pres.	<u>32</u> mbar	<u>165.9</u> mbar	<u>500</u> mbar	<u>0</u> mbar
Flush Tank Level	OK <input checked="" type="checkbox"/> Filled <input type="checkbox"/>	OK <input checked="" type="checkbox"/> Filled <input type="checkbox"/>	OK <input checked="" type="checkbox"/> Filled <input type="checkbox"/>	OK <input checked="" type="checkbox"/> Filled <input type="checkbox"/>

### Process Filters

	Online	Leak Free	Δ Pressure
F101A	A <input checked="" type="checkbox"/> B <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	0
F101B	A <input checked="" type="checkbox"/> B <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	0
C101 Strainer	(bottom of column)	Yes <input type="checkbox"/> No <input type="checkbox"/>	0
DFA-02-0016	N/A	Yes <input type="checkbox"/> No <input type="checkbox"/>	-0.6
F301A	A <input checked="" type="checkbox"/> B <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	0
F301B	A <input checked="" type="checkbox"/> B <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	0
F302	A <input type="checkbox"/> B <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	0
DFA-06-0022	N/A	Yes <input type="checkbox"/> No <input type="checkbox"/>	2.6
F713	A <input checked="" type="checkbox"/> B <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	0

### Thermal Oxidizer

ThOx Temp	<u>1717</u> °F	Tank Farm Vent Pressure (behind tk806)	<u>1</u>
Natural Gas Valve Position	<u>56</u> %	ThOx Pressure (PIT-06-0025) (<-1)	<u>1.6</u> in/w
Combustion Air Valve Position	<u>43.6</u> %	ID Fan Blower Speed	<u>38</u> HZ
Diff. Pressure (DPIT-06-0015) (<6)	<u>-2.6</u> in/w	Density Setpoint	<u>1350</u> kgm/m
Scrubber Flow (must be >140)	<u>158</u> gpm	Density Control Loop	A <input checked="" type="checkbox"/> B <input type="checkbox"/>
Scrubber Sump Level (LIT-06-0012)	<u>39</u> in/w	Density Reading (DIT-0005A/B)	<u>1586</u> kgm/m
pH Reading A	<u>6.4</u> pH	pH Reading B	<u>2.6</u> pH

### Ovivo

Influent Lift Station	Pump On: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Permeate (yest.) <u>22468</u> G	Status: <input checked="" type="checkbox"/> Flow <input type="checkbox"/> No Flow
Fine Screen	FS1 Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> FS2 Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Flow: <u>43.8</u> gpm	Inst. Flux: <u>6.1</u> gfd
Recycle Pumps	FS1 Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> FS2 Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Avg Flux: <u>2.3</u> gpm	Permeability: <u>0</u>
PA1 <input checked="" type="checkbox"/> Online <input type="checkbox"/> Offline	PA2 <input checked="" type="checkbox"/> Online <input type="checkbox"/> Offline	Suction Pres. <u>-16.5</u>	TM Pressure: <u>9.50</u>
Level: <u>82</u> ft	Level: <u>87</u> ft	<b>Chemical Inventory (# Full):</b>	
DO: <u>0</u> mg/L	DO: <u>0.1</u> mg/L	Sulfuric ACID Totes: <u>9</u>	MBR Status: <u>Offline</u>
Temp: <u>0</u> °C		Bleach Drums: <u>12</u>	Turbidity: <u>0.05</u> NTU
Comments:		DEF Totes: <u>3</u>	MBR1: <u>100.0</u> ft
		Alpha-Tocopherol (total inches): <u>NA</u>	MBR2: <u>9.9</u> ft

### Oxygen Analyzers – Must be drained once per shift