# TITLE V READINGS CTO

| | A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | |
| 2 | | **Week of:** | 10/19/2015 | | | | | | | |
| 3 | | | | | | | | | | |
| 5 | | | | | | | **SCR Catalyst** | | | |
| 6 | | | | | **Inlet Temp. F (930-990)** | **Outlet Temp. (830-930)** | **Inlet Temp. F (650-900)** | **Title V Outlet Temp. F >650** | **Inlet NOx (0-8000)** | **Outlet NOx (< 200)** |
| 8 | | **Shift** | **Oper** | **Time** | | | | | | |
| 9 | Monday | Night | SS | 1AM | NOP | NOP | NOP | NOP | NOP | NOP |
| 10 | | Day | JRC | 12PM | 899 | 863 | 832 | 768 | 250 | 0 |
| 11 | 10/19/2015 | Afternoon | Geno | 8PM | 899 | 864 | 832 | 768 | 250 | 0 |
| 12 | Tuesday | Night | SS | 1AM | 899 | 863 | 832 | 769 | 250 | 0 |
| 13 | | Day | JRC | 11am | 899 | 863 | 833 | 770 | 250 | 0 |
| 14 | 10/20/2015 | Afternoon | SHILL | 8PM | 899 | 864 | 834 | 771 | 250 | 0 |
| 15 | Wednesday | Night | SS | 1AM | 899 | 864 | 833 | 770 | 250 | 0 |
| 16 | | Day | BG | 8am | 900 | 864 | 833 | 769 | 250 | 0 |
| 17 | 10/21/2015 | Afternoon | Geno | NOP | NOP | NOP | NOP | NOP | NOP | NOP |
| 18 | Thursday | Night | SS | 1AM | NOP | NOP | NOP | NOP | NOP | NOP |
| 19 | | Day | BG | 10AM | NOP | NOP | NOP | NOP | NOP | NOP |
| 20 | 10/22/2015 | Afternoon | JRC | 8pm | NOP | NOP | NOP | NOP | NOP | NOP |
| 21 | Friday | Night | SS | 1AM | NOP | NOP | NOP | NOP | NOP | NOP |
| 22 | | Day | BG | 9am | NOP | NOP | NOP | NOP | NOP | NOP |
| 23 | 10/23/2015 | Afternoon | JRC | 7pm | NOP | NOP | NOP | NOP | NOP | NOP |
| 24 | Saturday | Night | SHILL | 5AM | NOP | NOP | NOP | NOP | NOP | NOP |
| 25 | | Day | BG | 9AM | NOP | NOP | NOP | NOP | NOP | NOP |
| 26 | 10/24/2015 | Afternoon | JRC | 7pm | NOP | NOP | NOP | NOP | NOP | NOP |
| 27 | Sunday | Night | SHILL | 4AM | 900 | 864 | 832 | 775 | 250 | 0 |
| 28 | | Day | BG | 10AM | NOP | NOP | NOP | NOP | NOP | NOP |
| 29 | 10/25/2015 | Afternoon | JRC | 7pm | 899 | 867 | 832 | 780 | 250 | 0 |
| 31 | | | | | | | | | | |
| 32 | | | | | | | | | | |

# TITLE V READINGS CTO

| | K | L | M | N | O |
|---|---|---|---|---|---|
| 1 | | **SCR/CTO U N I T L O G S H E E T (P092)** | | | |
| 2 | | | | | |
| 3 | | | | | |
| 5 | **Ammonia % valve opening (0-100)** | **% Fan speed (0-100)** | **CTO Suction (-3")-(-5")** | **Ammonia Flow Rate (0.01-0.15gpm)** | **Ammonia Tank Level (60-80)** |
| 6 | | | | | |
| 8 | | | | | |
| 9 | NOP | NOP | NOP | NOP | NOP |
| 10 | 29 | 41 | -4.9 | 0.01 | 67 |
| 11 | 25 | 41 | -4.9 | 0.01 | 79 |
| 12 | 26 | 42 | -4.9 | 0.01 | 74 |
| 13 | 24 | 42 | -4.9 | 0.01 | 61 |
| 14 | 20 | 41 | -4.9 | 0.01 | 73 |
| 15 | 28 | 41 | -4.9 | 0.01 | 67 |
| 16 | 28 | 41 | -4.9 | 0.04 | 80 |
| 17 | NOP | NOP | NOP | NOP | NOP |
| 18 | NOP | NOP | NOP | NOP | NOP |
| 19 | NOP | NOP | NOP | NOP | NOP |
| 20 | NOP | NOP | NOP | NOP | NOP |
| 21 | NOP | NOP | NOP | NOP | NOP |
| 22 | NOP | NOP | NOP | NOP | NOP |
| 23 | NOP | NOP | NOP | NOP | NOP |
| 24 | NOP | NOP | NOP | NOP | NOP |
| 25 | NOP | NOP | NOP | NOP | NOP |
| 26 | NOP | NOP | NOP | NOP | NOP |
| 27 | 24 | 43 | -4.9 | 0.01 | 70 |
| 28 | NOP | NOP | NOP | NOP | NOP |
| 29 | 20 | 43 | -4.9 | 0.01 | 72 |
| 31 | | | | | |
| 32 | | | | | |

# TITLE V READINGS CTO

| | P | Q | R | S | T | U |
|---|---|---|---|---|---|---|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 5 | **Inlet Baghouse Temp (90-140)** | **Pressure Drop Information** | | | | **Comments/ Problems** |
| 6 | | **Title V DP Baghouse >1"** | **DP SCR (2-7)** | **DP Burner (0.5-1.5)** | **HEPA (<1.5)** | |
| 8 | | | | | | |
| 9 | NOP | NOP | NOP | NOP | NOP | |
| 10 | 19 | 3.5 | 2 | 0.6 | 0.5 | |
| 11 | 111 | 3.5 | 2.5 | 0.6 | 0.5 | |
| 12 | 111 | 3.5 | 2.5 | 0.7 | 0.5 | |
| 13 | 113 | 3 | 2 | 0.6 | 0.5 | |
| 14 | 98 | 3 | 2 | 0.6 | 0.5 | |
| 15 | 91 | 3 | 2 | 0.6 | 0.5 | |
| 16 | 21 | 3 | 2 | 0.6 | 0.5 | offline |
| 17 | NOP | NOP | NOP | NOP | NOP | |
| 18 | NOP | NOP | NOP | NOP | NOP | |
| 19 | NOP | NOP | NOP | NOP | NOP | |
| 20 | NOP | NOP | NOP | NOP | NOP | |
| 21 | NOP | NOP | NOP | NOP | NOP | |
| 22 | NOP | NOP | NOP | NOP | NOP | |
| 23 | NOP | NOP | NOP | NOP | NOP | |
| 24 | NOP | NOP | NOP | NOP | NOP | |
| 25 | NOP | NOP | NOP | NOP | NOP | |
| 26 | NOP | NOP | NOP | NOP | NOP | |
| 27 | 110 | 3 | 3 | 0.65 | 0.5 | |
| 28 | NOP | NOP | NOP | NOP | NOP | |
| 29 | 112 | 3.5 | 2 | 0.6 | 0.5 | |
| 31 | | | | | cto unit log sheet.xls | |
| 32 | | | | | Revised 2 - 4/30/13 | |

# TITLE V READINGS Tri-Mer

| | A | B | C | D |
|---|---|---|---|---|
| 1 | SHIFT TRI-MER / VIRON SCRUBBER READINGS | | | |
| 3 | **Week of:** | 10/19/2015 | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | **Shift** | **Oper** | **Time** |
| 10 | Monday | Night | SS | 1AM |
| 11 | | Day | JRC | 12pm |
| 12 | 10/19/2015 | Afternoon | Geno | 9PM |
| 13 | Tuesday | Night | SS | 1AM |
| 14 | | Day | JRC | 11am |
| 15 | 10/20/2015 | Afternoon | SHILL | 8PM |
| 16 | Wednesday | Night | SS | 1AM |
| 17 | | Day | BG | 8am |
| 18 | 10/21/2015 | Afternoon | Geno | 9PM |
| 19 | Thursday | Night | SS | 1AM |
| 20 | | Day | BG | 10AM |
| 21 | 10/22/2015 | Afternoon | JRC | 8pm |
| 22 | Friday | Night | SS | 1AM |
| 23 | | Day | BG | 9am |
| 24 | 10/23/2015 | Afternoon | JRC | 7pm |
| 25 | Saturday | Night | SHILL | 5AM |
| 26 | | Day | | |
| 27 | 10/24/2015 | Afternoon | JRC | 7pm |
| 28 | Sunday | Night | SHILL | 4AM |
| 29 | | Day | BG | 10AM |
| 30 | 10/25/2015 | Afternoon | JRC | 7pm |
| 32 | | *** | Any condition outside of the prescribed parameters needs to be reported via voice mail to | |
| 33 | | | Ext. 2568 with an email followup to Tim Anglin, Group Leaders, and Superintendents ASAP *** | |
| 34 | | | All Equipment operation outside of parameters must be repaired as soon as possible | |
| 35 | | | Mark section NOP if equipment is Not Operating | |

# TITLE V READINGS Tri-Mer

| | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | RC #1 | P010 |
| 4 | Viron PH | | Tri-mer PH | | | Trimer Pressure Drop | | | Trimer Flow Rates | | | Check (X) | | | | | RC #2 | P102 |
| 5 | | | | | | | | | | | | Calciners | | | | | RC #3 | P103 |
| 6 | Viron #2 | Viron #3 | Tank 1 | Tank 2 | Tank 3 | Stage1 | Stage 2 | Stage 3 | Stage 1 | Stage 2 | Stage 3 | Routed to | | | | | RC #4 | P009 |
| 7 | Range | Range | Range | Range | Range | Range | Range | Range | Range | Range | Range | Trimer | | | | | RC #5 | P080 |
| 8 | (6-11) | (6-11) | (10-13) | (10-13) | (10-13) | 0"-1.5" | 1"-4" | 3"-6" | 50 MIN | 50 MIN | 50 MIN | 1 | 2 | 3 | 4 | 5 | Comments/ Problems | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | NOP | NOP | 10.63 | 10.22 | 10.09 | 0.18 | 0.86 | 1.11 | 98 | 102 | 91 | | | | | | NEW PFAUDLER | |
| 11 | 7.8 | 7.5 | 10.75 | 10.44 | 10.07 | 0.17 | 0.99 | 1.02 | 98 | 101 | 91 | | | | | | NEW PFAUDLER | |
| 12 | 7.8 | NOP | 10.37 | 11.45 | 11 | 0.17 | 1.01 | 1.05 | 98 | 101 | 91 | | | | | | | |
| 13 | 7.8 | NOP | 10.4 | 11.8 | 12.4 | 0.5 | 1.53 | 1.34 | 99 | 102 | 92 | x | | | | | | |
| 14 | 7.9 | 7.5 | 10.21 | 10.26 | 10.92 | 0.37 | 1.24 | 1.42 | 100 | 103 | 94 | x | | | | | | |
| 15 | 7.9 | 7.5 | 10 | 10.7 | 10.5 | 0.3 | 1 | 1.1 | 99 | 102 | 92 | | | | | | WEST PFAUDLER | |
| 16 | NOP | NOP | 11.33 | 10.24 | 11.2 | 0.32 | 0.79 | 1.29 | 99 | 102 | 93 | | | | | | WEST PFAUDLER | |
| 17 | NOP | NOP | 10.7 | 10.1 | 10.5 | 0.3 | 1 | 1 | 98 | 100 | 93 | | | | | | NEW PHAUDLER | |
| 18 | 7.2 | NOP | NOP | NOP | NOP | NOP | NOP | NOP | NOP | NOP | NOP | | | | | | | |
| 19 | 7.5 | 7.8 | 10.24 | 11.14 | 10.19 | 0.41 | 1.3 | 1.4 | 98 | 102 | 92 | X | | | | | | |
| 20 | 7.9 | 7.5 | NOP | NOP | NOP | NOP | NOP | NOP | NOP | NOP | NOP | | | | | | | |
| 21 | 7.8 | 6.9 | 10.36 | 10.43 | 10.33 | 0.22 | 0.81 | 1.24 | 98 | 102 | 92 | | | | | | NEW PFAUDLER | |
| 22 | 7.8 | NOP | 10.46 | 10.45 | 11.08 | 0.19 | 0.68 | 1.34 | 99 | 102 | 92 | | | | | | NEW PFAUDLER | |
| 23 | 7.9 | NOP | 11 | 10.5 | 10.7 | 0.2 | 1.1 | 1 | 98 | 0 | 92 | | | | | | NEW PFAUDLER | |
| 24 | 7.8 | 7.5 | 10.12 | 10.88 | 10.03 | 0.16 | 0.69 | 1.01 | 98 | 102 | 91 | | | | | | NEW PFAUDLER | |
| 25 | 7.8 | 7.2 | 10.1 | 10.9 | 10.2 | 0.2 | 1 | 1.1 | 98 | 102 | 91 | | | | | | WEST PFAUDLER | |
| 26 | | | | | | | | | | | | | | | | | | |
| 27 | 7.8 | 7.3 | 10.05 | 10.18 | 11.32 | 0.35 | 1.46 | 1.26 | 100 | 103 | 94 | x | | | | | | |
| 28 | 7.8 | 7.2 | 10.2 | 10.2 | 11.1 | 0.4 | 1.4 | 1.2 | 100 | 103 | 93 | X | | | | | | |
| 29 | 7.9 | 7.3 | 10.4 | 10.8 | 11.2 | 0.5 | 2 | 1.1 | 98 | 100 | 94 | X | | | | | | |
| 30 | 7.9 | 7.6 | 10.89 | 10 | 11.46 | 0.3 | 0.74 | 1.15 | 99 | 102 | 92 | | | | | | NEW PFAUDLER | |
| 32 | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | |

TITLE V READINGS Bldg 16

| | A | B | C | D |
|---|---|---|---|---|
| 1 | South Side Daily Title V Readings Bldg. 16 | | | |
| 4 | Week of __7/13/15_____ | 10/19/2015 | | |
| 7 | **Day** | **Operator** | **Time** | **RC #4 (P009)** |
| 8 | | | | **Building 16** |
| 9 | | | | **Baghouse 4a** |
| 10 | | | | **Pressure Drop:** |
| 11 | | | | **0.3-4.5 inches $H_2O$** |
| 12 | **Monday** | **SS** | **1AM** | **NOP** |
| 13 | **Tuesday** | **SS** | **1AM** | **NOP** |
| 14 | **Wednesday** | **SS** | **1AM** | **NOP** |
| 15 | **Thursday** | **SS** | **1AM** | **NOP** |
| 16 | **Friday** | **SS** | **1AM** | **NOP** |
| 17 | **Saturday** | **SHILL** | **5AM** | **NOP** |
| 18 | **Sunday** | **SHILL** | **4AM** | **NOP** |
| 21 | ***NOP = Not Operating*** | | | |
| 22 | ***Any condition outside of the prescribed parameters need to be reported via voice mail to*** | | | |
| 23 | ***Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP ****** | | | |
| 24 | ***The equipment operating outside of parameters must be repaired as soon as possible.*** | | | |

# TITLE V READINGS Bldg 16

| | E | F | G | H | I | J | K | L |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | |
| 4 | | MIDNIGHT SHIFT READINGS | | | | | | |
| 7 | **RC #4 (P009)** | **Viron 2 (P086)** | **Viron 2 (P086)** | **Viron 3 (P086)** | **Viron 3 (P086)** | **National Dryer** | **National Dryer** | **CTO/SCR Stack** |
| 8 | **Building 16** | **Building 16** | **Building 16** | **Building 16** | **Building 16** | **P106** | **P106** | **P092, P102 & P103** |
| 9 | **Baghouse 4b** | **Scrubber** | **Scrubber** | **Scrubber** | **Scrubber** | **Roof Building 16** | **Baghouse** | **Roof Building 16** |
| 10 | **Pressure Drop:** | **Pressure Drop:** | **Water Flow Rate** | **Pressure Drop:** | **Water Flow Rate** | **Visible Emissions** | **Pressure Drop** | **Visible Emissions** |
| 11 | **0.3-4.5 inches $H_2O$** | **>1 inch $H_2O$** | **> 2 GPM** | **>1 inch $H_2O$** | **> 2 GPM** | **Y/N** | **1-4 inches $H_2O$** | **Y/N** |
| 12 | **NOP** | **NOP** | **NOP** | **NOP** | **NOP** | **NO** | **NOP** | **NO** |
| 13 | **NOP** | **4.3** | **2** | **NOP** | **NOP** | **NO** | **NOP** | **NO** |
| 14 | **NOP** | **NOP** | **NOP** | **NOP** | **NOP** | **NO** | **NOP** | **NO** |
| 15 | **NOP** | **3.1** | **2** | **3.4** | **2** | **NO** | **NOP** | **NO** |
| 16 | **NOP** | **2.8** | **2** | **NOP** | **NOP** | **NO** | **NOP** | **NO** |
| 17 | **NOP** | **2,2** | **2** | **2.8** | **2** | **NO** | **1.4** | **NO** |
| 18 | **NOP** | **1.8** | **2** | **3.8** | **2** | **NO** | **1.4** | **NO** |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

# TITLE V READINGS Bldg 16

| | M |
|---|---|
| 1 | |
| 4 | |
| 7 | **RC# 5 (P080)** |
| 8 | **Dust Collectors 5a & 5b** |
| 9 | **Roof Building 16** |
| 10 | **Visible Emissions** |
| 11 | **Y/N** |
| 12 | NO |
| 13 | NO |
| 14 | NO |
| 15 | NO |
| 16 | NO |
| 17 | NO |
| 18 | NO |
| 21 | |
| 22 | |
| 23 | |
| 24 | |

| | A | B | C | D |
|---|---|---|---|---|
| 1 | South Side Daily Title V Readings Bldg. 11 | | | |
| 4 | week of 10/19/2015 | | | |
| 7 | **Day** | **Operator** | **Time** | **Powder Room** |
| 8 | | | | **Building 11** |
| 9 | | | | **Baghouse** |
| 10 | | | | **Pressure Drop:** |
| 11 | | | | **>1 inch $H_2O$** |
| 12 | **Monday** | **Geno** | **9PM** | **2** |
| 13 | **Tuesday** | **SHILL** | **8PM** | **NOP** |
| 14 | **Wednesday** | **Geno** | **9PM** | **1.5** |
| 15 | **Thursday** | **JRC** | **8PM** | **2** |
| 16 | **Friday** | **JRC** | **7PM** | **2.5** |
| 17 | **Saturday** | **JRC** | **7pm** | **2** |
| 18 | **Sunday** | **JRC** | **7pm** | **2** |
| 21 | ***NOP = Not Operating*** | | | |
| 22 | ***Any condition outside of the prescribed parameters need to be reported via voice mail to*** | | | |
| 23 | ***Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP ****** | | | |
| 24 | ***The equipment operating outside of parameters must be repaired as soon as possible.*** | | | |

| | E | F | G |
|---|---|---|---|
| 1 | | | |
| 4 | AFTERNOON SHIFT READINGS | | |
| 7 | **Powder Room** | **Powder Room** | **Powder Room** |
| 8 | **Building 11** | **Building 11** | **Building 11** |
| 9 | **50 lb. Bag Area Filter Fabric** | **Baghouse** | **50 lb. Bag Area Filter Fabric** |
| 10 | **Pressure Drop:** | **Visible Emissions** | **Visible Emissions** |
| 11 | **>1 inch $H_2O$** | **Y/N** | **Y/N** |
| 12 | **NOP** | **N** | **N** |
| 13 | **NOP** | **NO** | **NO** |
| 14 | **NOP** | **NO** | **NO** |
| 15 | **NOP** | **NO** | **NO** |
| 16 | **NOP** | **NO** | **NO** |
| 17 | **NOP** | **NO** | **NO** |
| 18 | **NOP** | **NO** | **NO** |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |

TITLE V READINGS Bldg 31

| | A | B | C |
|---|---|---|---|
| 1 | South Side Daily Title V Readings Bldgs. 31 | | |
| 4 | week of 10/19/2015 | | |
| 7 | **Day** | **Operator** | **Time** |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | **Monday** | **Geno** | **8PM** |
| 13 | **Tuesday** | **SHILL** | **8PM** |
| 14 | **Wednesday** | **Geno** | **9PM** |
| 15 | **Thursday** | **JRC** | **8PM** |
| 16 | **Friday** | **JRC** | **7pm** |
| 17 | **Saturday** | **JRC** | **7pm** |
| 18 | **Sunday** | **JRC** | **7pm** |
| 21 | ***NOP = Not Operating*** | | |
| 22 | ***Any condition outside of the prescribed parameters need to be reported via voice mail to*** | | |
| 23 | ***Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP ****** | | |
| 24 | ***The equipment operating outside of parameters must be repaired as soon as possible.*** | | |

# TITLE V READINGS Bldg 31

| | D | E | F | G | H |
|---|---|---|---|---|---|
| 1 | | | | | |
| 4 | AFTERNOON SHIFT READINGS | | | | |
| 7 | **F 2 Scrubber** | **F 1 Scrubber** | **TriMer Stack** | **Roof Dust Collectors** | **Action Taken** |
| 8 | **P024 & P026** | **P010 & P028** | **P010, P026 &P080** | **P026, P028 & P010** | |
| 9 | **Building 31 Roof** | **Building 31 Roof** | **Building 31 Roof** | **Building 31 Roof** | |
| 10 | **Visible Emissions** | **Visible Emissions** | **Visible Emissions** | **Visible Emissions** | |
| 11 | **Y/N** | **Y/N** | **Y/N** | **Y/N** | |
| 12 | **N** | **N** | **N** | **N** | |
| 13 | **NO** | **NO** | **NO** | **NO** | |
| 14 | **NO** | **NO** | **NO** | **NO** | |
| 15 | **NO** | **NO** | **NO** | **NO** | |
| 16 | **NO** | **NO** | **NO** | **NO** | |
| 17 | **NO** | **NO** | **NO** | **NO** | |
| 18 | **NO** | **NO** | **NO** | **NO** | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |

TITLE V READINGS Bldg 9

| | A | B | C |
|---|---|---|---|
| 1 | South Side Daily Title V Readings Bldg. 9 | | |
| 4 | week of 10/19/2015 | | |
| 7 | **Day** | **Operator** | **Time** |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | **Monday** | **SS** | **1AM** |
| 13 | **Tuesday** | **SS** | **1AM** |
| 14 | **Wednesday** | **SS** | **1AM** |
| 15 | **Thursday** | **SS** | **1AM** |
| 16 | **Friday** | **SS** | **1AM** |
| 17 | **Saturday** | **SHILL** | **5AM** |
| 18 | **Sunday** | **SHILL** | **4AM** |
| 21 | ***NOP = Not Operating*** | | |
| 22 | ***Any condition outside of the prescribed parameters need to be reported via voice mail to*** | | |
| 23 | ***Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP ****** | | |
| 24 | ***The equipment operating outside of parameters must be repaired as soon as possible.*** | | |

# TITLE V READINGS Bldg 9

| | D | E | F | G | H |
|---|---|---|---|---|---|
| 1 | | | | | |
| 4 | MIDNIGHT SHIFT READINGS | | | | |
| 7 | **PK Blender (P099)** | **PK Blender (P099)** | **PK Blender (P099)** | **PK Blender (P099)** | **Action Taken** |
| 8 | **Building 9** | **Building 9** | **Building 9** | **Building 9** | |
| 9 | **Baghouse** | **Scrubber** | **Scrubber** | **Visible** | |
| 10 | **Pressure Drop:** | **Pressure Drop:** | **Water Flow** | **Emissions** | |
| 11 | **3-5 inches $H_2O$** | **>/= 2 inches $H_2O$** | **Y/N** | **Y/N** | |
| 12 | **NOP** | **NOP** | **YES** | **NO** | |
| 13 | **NOP** | **NOP** | **YES** | **NO** | |
| 14 | **NOP** | **NOP** | **YES** | **NO** | |
| 15 | **NOP** | **NOP** | **YES** | **NO** | |
| 16 | **NOP** | **NOP** | **YES** | **NO** | |
| 17 | **NOP** | **NOP** | **YES** | **NO** | |
| 18 | **NOP** | **NOP** | **YES** | **NO** | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |

| | A | B | C | D |
|---|---|---|---|---|
| 1 | South Side Daily Title V Readings Bldg. 27 | | | |
| 4 | Week of _____ | 10/19/15 | | |
| 7 | **Day** | **Operator** | **Time** | **P&S Dryer / RC #6** |
| 8 | | | | **P092 and P130** |
| 9 | | | | **Sly Scrubber** |
| 10 | | | | **Flow** |
| 11 | | | | **> 2gpm** |
| 12 | **Monday** | **Geno** | **9PM** | **125** |
| 13 | **Tuesday** | **SHILL** | **8PM** | **117** |
| 14 | **Wednesday** | **Geno** | **9PM** | **112** |
| 15 | **Thursday** | **JRC** | **8PM** | **116** |
| 16 | **Friday** | **JRC** | **7pm** | **112** |
| 17 | **Saturday** | **JRC** | **7pm** | **107** |
| 18 | **Sunday** | **JRC** | **7pm** | **128** |
| 21 | ***NOP = Not Operating*** | | | |
| 22 | ***Any condition outside of the prescribed parameters need to be reported via voice mail to*** | | | |
| 23 | ***Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP ****** | | | |
| 24 | ***The equipment operating outside of parameters must be repaired as soon as possible.*** | | | |

Bldg 27

| | E | F | G | H | I | J | K |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 4 | AFTERNOON SHIFT READINGS | | | | | | |
| 7 | **P&S Dryer / RC #6** | **P&S Dryer / RC #6** | **RC #6** | **Horne Tabletting** | **Gravity Bed Sep.** | **Gravity Bed Sep.** | **Action Taken** |
| 8 | **P092 and P130** | **P092 and P130** | **P092** | **P096** | **P105** | **P105** | |
| 9 | **Sly Scrubber** | **Sly Scrubber** | **Baghouse** | **Visible** | **Baghouse** | **Visible** | |
| 10 | **Demister Pressure** | **Visible Emissions** | **Pressure Drop** | **Emissions** | **Pressure Drop** | **Emissions** | |
| 11 | **<1 inches $H_2O$** | **Y/N** | **<2 inches $H_2O$** | **Y/N** | **1-4 inches $H_2O$** | **Y/N** | |
| 12 | **0.5** | **N** | **NOP** | **N** | **NOP** | **N** | |
| 13 | **0.3** | **NO** | **NOP** | **NO** | **NOP** | **NO** | |
| 14 | **0.3** | **NO** | **NOP** | **NO** | **NOP** | **NO** | |
| 15 | **0.6** | **NO** | **NOP** | **NO** | **NOP** | **NO** | |
| 16 | **0.6** | **NO** | **NOP** | **NO** | **NOP** | **NO** | |
| 17 | **0.35** | **NO** | **NOP** | **NO** | **NOP** | **NO** | |
| 18 | **1.02** | **NO** | **NOP** | **NO** | **NOP** | **NO** | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |

| | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| 1 | West Pfaudler (D4601 Production) Daily Title V Readings | | | | | |
| 4 | Week of _____ | 10/19/2015 | | | | |
| 7 | **Day** | **Operator** | **Time** | **TriMer** | **TriMer** | **TriMer** |
| 8 | | | | **P026** | **P026** | **P026** |
| 9 | | | | **Tank 1** | **Tank 2** | **Tank 3** |
| 10 | | | | **pH** | **pH** | **pH** |
| 11 | | | | **>9** | **>9** | **>9** |
| 12 | **Monday** | **Geno** | **9PM** | **10.4** | **11.5** | **11** |
| 13 | **Tuesday** | **SHILL** | **8PM** | **10** | **10.7** | **10.5** |
| 14 | **Wednesday** | **Geno** | **9PM** | **NOP** | **NOP** | **NOP** |
| 15 | **Thursday** | **JRC** | **8PM** | **11.23** | **10.37** | **10.28** |
| 16 | **Friday** | **JRC** | **7pm** | **10.1** | **10.85** | **10.53** |
| 17 | **Saturday** | **JRC** | **7pm** | **10.05** | **10.18** | **11.32** |
| 18 | **Sunday** | **JRC** | **7pm** | **11.31** | **10.49** | **11.07** |
| 21 | ***NOP = Not Operating*** | | | | | |
| 22 | ***Any condition outside of the prescribed parameters need to be reported via voice mail to*** | | | | | |
| 23 | ***Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP ****** | | | | | |
| 24 | ***The equipment operating outside of parameters must be repaired as soon as possible.*** | | | | | |
| 26 | ***Uncontrolled NOx Emission Rates per Permit Condition C1.(2)*** | | | | | |
| 27 | ***909.6 lbs/batch*** | | | | | |
| 28 | ***19 lbs./hour*** | | | | | |
| 29 | ***454 lbs./day*** | | | | | |

| | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 4 | AFTERNOON SHIFT READINGS | | | | | | |
| 7 | **TriMer** | **TriMer** | **TriMer** | **TriMer** | **TriMer** | **TriMer** | **Action Taken** |
| 8 | **P026** | **P026** | **P026** | **P026** | **P026** | **P026** | |
| 9 | **Stage 1** | **Stage 2** | **Stage 3** | **Stage 1** | **Stage 2** | **Stage 3** | |
| 10 | **Pressure Drop** | **Pressure Drop** | **Pressure Drop** | **Flow Rate** | **Flow Rate** | **Flow Rate** | |
| 11 | **0.2"- 3"** | **1"- 5"** | **1"- 6"** | **>50 gpm** | **>50 gpm** | **>50 gpm** | |
| 12 | 0.17 | 1.01 | 1.05 | 98 | 101 | 91 | |
| 13 | 0.3 | 1 | 1.1 | 99 | 102 | 92 | |
| 14 | NOP | NOP | NOP | NOP | NOP | NOP | |
| 15 | 0.13 | 0.67 | 1.3 | 98 | 102 | 92 | |
| 16 | 0.18 | 1.01 | 1.01 | 98 | 102 | 91 | |
| 17 | 0.35 | 1.46 | 1.26 | 100 | 103 | 94 | |
| 18 | 0.27 | 1.08 | 1.07 | 99 | 102 | 92 | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |

| | B | C | D | E | H |
|---|---|---|---|---|---|
| 2 | | | | | |
| 4 | | | | **F1/F2 Scrubber Checksheet - Return to GL once sheet complete** | |
| 5 | | | | **F1 Demister** | **F1 Packing** |
| 6 | | | | Pressure drop ("H2O) | Pressure drop ("H2O) |
| 8 | **Date** | **Shift** | **Operator** | | |
| 9 | ######### | | | 10+ | 5 |
| 10 | | 3-11 | Geno | | |
| 11 | ######### | 3-11 | SHILL | 10+ | 7 |
| 13 | ######### | | | NOP | NOP |
| 14 | | 3-11 | Geno | | |
| 15 | ######### | | | 10 | 7 |
| 16 | | 3-11 | JRC | | |
| 17 | ######### | | | 11 | 6.5 |
| 18 | | 3-11 | JRC | | |
| 19 | ######### | 3-11 | JRC | 11 | 7.5 |
| 21 | ######### | 3-11 | JRC | 11 | 6.5 |
| 25 | **If pressure drop across any of the three spots increase a large amount or is increasing week after week, this may indicate a problem is present. Alert engineer or group leader** | | | | |

F1 F2

| | I | K | P | S | V |
|---|---|---|---|---|---|
| 2 | AFTERNOON SHIFT READINGS | | | | |
| 4 | | | | | |
| 5 | | **F1 Blower** | **F2 Demister** | **F2 Packing** | **F2 Blower** |
| 6 | | Pressure drop ("H2O) | Pressure drop ("H2O) | Pressure drop ("H2O) | Pressure drop ("H2O) |
| 8 | | | | | |
| 9 | | 12 | 0.02 | 0.4 | 3.26 |
| 10 | | | | | |
| 11 | | 13 | 0.02 | 0.33 | 3.2 |
| 13 | | NOP | NOP | NOP | NOP |
| 14 | | | | | |
| 15 | | 12 | 0.02 | 0.3 | 3.6 |
| 16 | | | | | |
| 17 | | 12.5 | 0.02 | 0.31 | 3.24 |
| 18 | | | | | |
| 19 | | 13.5 | 0.02 | 0.34 | 3.14 |
| 21 | | 13 | 0.02 | 0.34 | 3.26 |
| 25 | | | | | |

Dust Coll

| | B | C |
|---|---|---|
| 2 | | |
| 4 | week of 9/28/2015 | |
| 5 | | |
| 6 | | |
| 8 | **Date** | **Shift** |
| 9 | ######### | |
| 11 | | |
| 12 | ######### | |
| 14 | | |
| 15 | ######### | |
| 17 | | |
| 18 | ######### | DAY |
| 20 | | |
| 21 | ######### | |
| 23 | | |
| 24 | ######### | |
| 26 | | |
| 27 | ######### | |
| 29 | | |
| 31 | **If pressure drop across any of the dust collectors increases a large amount or is increasing day after day, this may indicate a problem is present. Alert engineer or group leader** | |
| 32 | ***If drum level has not increased at all since the previous day, alert group leader/leadman to investigate. Change out drums as necessary and label.** | |
| 33 | ****If rotolock is not turning, alert group leader/leadman immediately. Dust collector can fill up and pack if rotolock is not on** | |

Dust Coll

| | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|
| 2 | | | | | | | DAY SHIFT READINGS |
| 4 | | **Dust collectors - Return to GL once sheet complete** | | | | | |
| 5 | | **#1** | **#1** | **#2** | **#2** | **#3** | **#3** |
| 6 | | Pressure drop ("H2O) | Drum Level* | Pressure drop ("H2O) | Drum Level* | Pressure drop ("H2O) | Drum Level* |
| 8 | **Operator** | | | | | | |
| 9 | | | | | | | |
| 11 | **Rotolock on?**** | Y or N | | Y or N | | Y or N | |
| 12 | | | | | | | |
| 14 | **Rotolock on?**** | Y or N | | Y or N | | Y or N | |
| 15 | | | | | | | |
| 17 | **Rotolock on?**** | Y | | Y | | Y | |
| 18 | GENO | | | | | | |
| 20 | **Rotolock on?**** | | | Y or N | | Y or N | |
| 21 | | | | | | | |
| 23 | **Rotolock on?**** | Y or N | | Y or N | | Y or N | |
| 24 | | | | | | | |
| 26 | **Rotolock on?**** | Y or N | | Y or N | | Y or N | |
| 27 | | | | | | | |
| 29 | **Rotolock on?**** | Y or N | | Y or N | | Y or N | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |

Dust Coll

| | K | M | O | P | Q | R | S | T | U | V | W |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | **#7** | **#7** | **#8** | **#8** | **Vertical** | **Vertical** | **CTO** | **CTO** | **National Dryer** | **National Dryer** | **PK Blender** |
| 6 | Pressure drop ("H2O) | Drum Level* | Pressure drop ("H2O) | Drum Level* | Pressure drop ("H2O) | Drum Level* | Pressure drop ("H2O) | Drum Level* | Pressure drop ("H2O) | Drum Level* | Drum Level* |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 11 | Y or N | | Y or N | | Y or N | | Y or N | | Y or N | | Y or N |
| 12 | | | | | | | | | | | |
| 14 | Y or N | | Y or N | | Y or N | | Y or N | | Y or N | | Y or N |
| 15 | | | | | | | | | | | |
| 17 | Y | | Y | | Y | | NOP | | NOP | | NOP |
| 18 | | | | | | | | | | | |
| 20 | Y or N | | Y or N | | Y or N | | Y or N | | Y or N | | Y or N |
| 21 | | | | | | | | | | | |
| 23 | Y or N | | Y or N | | Y or N | | Y or N | | Y or N | | Y or N |
| 24 | | | | | | | | | | | |
| 26 | Y or N | | Y or N | | Y or N | | Y or N | | Y or N | | Y or N |
| 27 | | | | | | | | | | | |
| 29 | Y or N | | Y or N | | Y or N | | Y or N | | Y or N | | Y or N |
| 31 | | | | | | | | | | | |
| 32 | | | | | | | | | | | |
| 33 | | | | | | | | | | | |