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Coal Handling Checklists

Dated: 2000

*Recovered from site on Jan 2 2021 and Jan 9 2021*

CCMAINT

# COAL HANDLING DAILY MAINTENANCE

THURSDAY AUGUST 3, 2000 Place deferred items on next worksheet.

## PRIORITY REPAIRS.....

- |   |  | W.I.P. | COMP. |
|---|--|--------|-------|
| 1 | INSPECT AND REPAIR CONCRETE ABOVE STOCK HOPPER SYNTRONS, .....               |        |       |
| 2 | REPAIR CAGE PACTOR, LEAKING OIL FROM ACTUATOR PUMP, PUMP GOES DRY & WHEEL SL |        |       |
| 3 | INSPECT AND REPAIR CONCRETE ABOVE STOCK HOPPER SYNTRONS, .....               |        |       |
| 4 | CHANGE TRANS OIL IN CAGE PACTOR.   |        |       |
| 5 | FINISH STAIRS TO MIXER BINS, SANDBLAST, PAINT, & REPLACE BOLTS               |        |       |
| 6 |  |        |       |
| 7 |  |        |       |
| 8 |  |        |       |
| 9 |  |        |       |

## MOBILE EQUIPMENT

- |   |  |  |  |
|---|--|--|--|
| 1 | TRACTOR 950B, GREASE FITTING WILL NOT TAKE GREASE. |  |  |
| 2 | NEED NEW MUFFLER ON THE COAL HANDLING TRUCK..      |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |

## ELECTRICAL REPAIRS

- |    |  |  |  |
|----|--|--|--|
| 1  | STEAM HEATER FAN, NOT WORKING HEAD END #1 BELT. NEED NEW BLOWER MOTOR. |  |  |
| 2  | REPAIR INDICATOR LIGHTS IN HAMMER.                                     |  |  |
| 3  | UPGRADE LIGHTS AT, HEAD OF T-BELT.                                     |  |  |
| 4  | INSTALL BUZZER FOR METAL DETECTOR & SERVICE BIN IN PULVERIZER..        |  |  |
| 5  | HOOK UP BUZZER FOR PHONE MIXER.  |  |  |
| 6  | REPLACE ELECTRICAL PIPE UNDER S & T ON CONCRETE.                       |  |  |
| 7  | UPGRADE LIGHTS IN ENTIRE PULVERIZER BUILDING.                          |  |  |
| 8  | HEATER IN PULVERIZER BUILDING, NEED ELECTRICAL HOOK UP.                |  |  |
| 9  | DISCONNECT KIPIN PUG MILL IN COAL FIELD.....                           |  |  |
| 10 | UPGRADE LIGHTING MIXER BINS (LIKE MIXER).                              |  |  |
| 11 | CHECK & CLEAN CONTACTS FOR T-BELT CONTROL BOX                          |  |  |

## WHARF REPAIRS

- |    |   |  |  |
|----|---|--|--|
| 1  | REPLACE SIDE PLATES AND DEFLECTOR PLATES, 1-BELT.     |  |  |
| 2  | REPLACE GUARD NORTH OF HKC...                         |  |  |
| 3  | REPAIR OR INSTALL RUBBER ON CHUTE, TAIL END 4-BELT... |  |  |
| 4  | NEED SKIRT RUBBER ON 3-BELT CHUTE, TAIL END.....      |  |  |
| 5  |   |  |  |
| 6  |   |  |  |
| 7  |   |  |  |
| 8  |   |  |  |
| 9  |   |  |  |
| 10 |   |  |  |

## GRINDING REPAIRS

- |    |   |   |  |
|----|---|---|--|
| 1  | INSTALL GASKET OR SEAL ON HAMMERMILL DOORS TO KEEP DUST DOWN. |   |  |
| 2  | INSTALL NEW DOORWAY, EAST SIDE, PULV.                         |   |  |
| 3  | INSTALL CAGE PAKTOR FEEDER PLATFORM - SAFETY ITEM.            |   |  |
| 4  | INSTALL NEW SELF CLEANING PULLEYS #7 & #5 MIXER BELTS.        |   |  |
| 5  | REPAIR ALL MIXER MACHINE TOP GATES, SO THEY WILL CLOSE.       |   |  |
| 6  | REPAIR HOLE IN 1-BIN CHUTE CHARGING BINS, MARKED WITH RAGS.   |   |  |
| 7  | PREFABRICATE HAMMERMILL DOORS, TO MAKE DOORS EASY TO OPEN...  |   |  |
| 8  | REPAIR SIDE SKIRT RUBBERS ON C-BELT, LEAKING ON BOTH SIDES.   |   |  |
| 9  | REPLACE PLATE INSIDE HAMMER FEEDER CHUTE.                     |   |  |
| 10 | Check Tripper cable west side                                 | ✓ |  |
| 11 | Make lances   | ✓ |  |
| 12 |   |   |  |
| 13 |   |   |  |
| 14 |   |   |  |

SERVICE

ACME STEEL COMPANY CHICAGO COKE PLANT EQUIPMENT SERVICE LIST						
EQUIPMENT	SERVICE INTERVAL	ENGINE OIL	TRANS	HYDRAULIC OIL	DRIVE	COMP OIL
EUCLIDS	100 HOURS	30 WT 40 WT.	TORGUE MASTER C-310	HYDROL MASTER #32	80/90 WT.	
950	300 HOURS	LUBE MASTER 15W40	15W40	HYDROL MASTER #32	80/90 WT.	
950-B	300 HOURS	LUBE MASTER 15W40	15W40	HYDROL MASTER #32	80/90 WT.	
992	150 HOURS	LUBE MASTER 15W40	15W40	HYDROL MASTER #32	80/90 WT.	
FORKLIFT	100 HOURS	LUBE MASTER 15W40	AUTOTRANS MASTER GD-3	HYDROL MASTER #32	80/90 WT.	
PETTIBONE	50 HOURS 3 MOS.	30 WT. 40 WT.	AUTOTRANS MASTER GD-3	HYDROL MASTER #32	80/90 WT.	
BOBCAT	100 HOURS	LUBE MASTER 15W40	15W40	15W40	80/90 WT.	
TOMCAT	100 HOURS	LUBE MASTER 15W40	15W40	15W40	80/90 WT.	
185 CFM AIR COMP.	200 HOURS	LUBE MASTER 15W40				15W40
LOCO'S	100 HOURS	LUBE MASTER 15W40			80/90 WT.	
PICK-UP	MONTHLY	LUBE MASTER 15W40	ATF		80/90 WT.	
CAGE PAKTOR			AUTOTRANS MASTERGD3			
BY PRODUCTS TANKS						
1)	HYDROL MASTER #32					
2)	DTE LIGHT OIL GOLD SEAL #32					
3)	DTE HEAVY MEDIUM OIL GOLD SEAL #68					

ACME STEEL COMPANY  
CHICAGO COKE PLANT

DIESEL FUEL OIL TANK CAPACITY IN FEET AND INCHES

TOTAL CAPACITY 12,000 GALLONS

FEET	INCHES	GALLONS	FEET	INCHES	GALLONS	FEET	INCHES	GALLONS	FEET	INCHES	GALLONS
0	0.00	0	2	0.00	2700	4	0.00	6680	6	0.00	10460
0	0.50	10	2	0.50	2780	4	0.50	6770	6	0.50	10520
0	1.00	30	2	1.00	2850	4	1.00	6850	6	1.00	10590
0	1.50	60	2	1.50	2930	4	1.50	6940	6	1.50	10650
0	2.00	90	2	2.00	3010	4	2.00	7020	6	2.00	10720
0	2.50	120	2	2.50	3090	4	2.50	7110	6	2.50	10780
0	3.00	150	2	3.00	3170	4	3.00	7190	6	3.00	10840
0	3.50	190	2	3.50	3250	4	3.50	7270	6	3.50	10910
0	4.00	220	2	4.00	3330	4	4.00	7360	6	4.00	10970
0	4.50	260	2	4.50	3410	4	4.50	7440	6	4.50	11030
0	5.00	300	2	5.00	3490	4	5.00	7530	6	5.00	11080
0	5.50	340	2	5.50	3570	4	5.50	7610	6	5.50	11140
0	6.00	390	2	6.00	3650	4	6.00	7690	6	6.00	11200
0	6.50	440	2	6.50	3730	4	6.50	7780	6	6.50	11250
0	7.00	490	2	7.00	3810	4	7.00	7860	6	7.00	11310
0	7.50	540	2	7.50	3890	4	7.50	7940	6	7.50	11360
0	8.00	590	2	8.00	3980	4	8.00	8020	6	8.00	11410
0	8.50	640	2	8.50	4060	4	8.50	8110	6	8.50	11470
0	9.00	690	2	9.00	4140	4	9.00	8190	6	9.00	11510
0	9.50	750	2	9.50	4220	4	9.50	8270	6	9.50	11560
0	10.00	800	2	10.00	4310	4	10.00	8350	6	10.00	11610
0	10.50	860	2	10.50	4390	4	10.50	8430	6	10.50	11650
0	11.00	910	2	11.00	4470	4	11.00	8510	6	11.00	11700
0	11.50	970	2	11.50	4560	4	11.50	8590	6	11.50	11740
1	0.00	1030	3	0.00	4640	5	0.00	8670	7	0.00	11780
1	0.50	1100	3	0.50	4730	5	0.50	8750	7	0.50	11820
1	1.00	1160	3	1.00	4810	5	1.00	8830	7	1.00	11850
1	1.50	1220	3	1.50	4890	5	1.50	8910	7	1.50	11880
1	2.00	1280	3	2.00	4980	5	2.00	8990	7	2.00	11920
1	2.50	1350	3	2.50	5060	5	2.50	9070	7	2.50	11940
1	3.00	1410	3	3.00	5150	5	3.00	9150	7	3.00	11970
1	3.50	1480	3	3.50	5230	5	3.50	9220	7	3.50	11990
1	4.00	1540	3	4.00	5320	5	4.00	9300	7	4.00	12000
1	4.50	1610	3	4.50	5400	5	4.50	9380			
1	5.00	1680	3	5.00	5490	5	5.00	9450			
1	5.50	1750	3	5.50	5570	5	5.50	9530			
1	6.00	1810	3	6.00	5660	5	6.00	9600			
1	6.50	1890	3	6.50	5740	5	6.50	9680			
1	7.00	1960	3	7.00	5830	5	7.00	9750			
1	7.50	2030	3	7.50	5920	5	7.50	9820			
1	8.00	2100	3	8.00	6000	5	8.00	9900			
1	8.50	2180	3	8.50	6090	5	8.50	9970			
1	9.00	2250	3	9.00	6170	5	9.00	10040			
1	9.50	2320	3	9.50	6260	5	9.50	10110			
1	10.00	2400	3	10.00	6340	5	10.00	10180			
1	10.50	2470	3	10.50	6430	5	10.50	10250			
1	11.00	2550	3	11.00	6510	5	11.00	10320			
1	11.50	2620	3	11.50	6600	5	11.50	10390			

1. WELLS  
3. OAK GROVE  
5. JEWELL 1-TO  
FORDING 1  
6. PETCO 3- TO  
PREMIX 1

ALL COALS ARE TO BE BLENDED  
PROPERLY, A 1 TO 1 MEANS TO BE  
BLENDED AT A 1 TO 1 RATIO.

A 3 TO 1, MEANS 3 PARTS PETCO TO  
1 PART PREMIX.

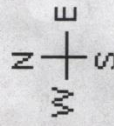
ANY OTHER BLENDING IS  
UNEXCEPTABLE.

COAL CHART

FURNACE BLEND

DATE: 10/11/01

#2	#1	25%
	WELLS	
#4	#3	28%
	OAKGROVE	
#6	12% #5	35%
PETCO / PREMIX	FORDING JEWELL	
3 - 1	3 - 1	



3- PETCO TO 1- PREMIX

ACME COKE PLANT, CHICAGO, ILLINOIS

THEORETICAL COAL BLEND CALCULATION

BLEND NAME: \_\_\_\_\_

COAL BLEND	BLEND %	TYPICAL FLUIDITY	TYPICAL VC%	TYPICAL MMR
WELLS	25	40000	-25	0.93
JEWELL	26	3400	-5	1.35
FORDING, MV	10	400	-5	1.05
OAK GROVE	27	700	-1	1.5
PRE-MIX	3	1000	-8	
PET-COKE	9	0.1	-5	
TOTAL	100			

THEORETICAL FLUIDITY = 1250

THEORETICAL VOLUME CHANGE = -9.01

THEORETICAL MMR% = 1.243

BLEND CHANGE AUTHORIZED BY \_\_\_\_\_

# Mixer Weight Calculation

MixerWts

Date: 3/23/01

Optimum belt weight = 125 Lb. (corrected)

Target

Mixer

Weight

Coal

Name

Target

%

Actual

%

Over

(Under)

- #1 North East - 1
- #2 North West - 2
- #3 Center East - 3
- #4 Center West - 4
- #5 South East - 5
- #6 South West - 6

WELLS	24.0	24.3	0.3
Pinnacle / True Energy	40.0	39.6	-0.4
0	0.0	0.0	0.0
Acme/Mid Cont.Breeze	15.0	15.3	0.3
BRADSHAW	21.0	20.7	-0.3
0	0.0	0.0	0.0

Total 111.0 Lb.  
 Total 125.0 Lb. (corrected)  
 Over / (Under) 0.0 Lb.

100.0 100.0

Note: You can enter only in black boxes

## Mixer Setting Range

- #1 North East - 1 26.5 to 27.5
- #2 North West - 2 43.5 to 44.5
- #3 Center East - 3 -0.5 to 0.5
- #4 Center West - 4 16.5 to 17.5
- #5 South East - 5 22.5 to 23.5
- #6 South West - 6 -0.5 to 0.5



FURNACE COAL

COAL BLENDS

MIXER  
BIN

# 1 = WELLS

# 3 = OAK GROVE

# 5 = <sup>(1)</sup>FORDING / <sup>(1)</sup>JEWELL

# 6 = <sup>(3)</sup>PETCO / <sup>(1)</sup>PRE-MIX

Acme Steel Company  
Chicago Coke Plant Roadway Schematic

Sweep Areas = A, C, D, F, G, K

Flush Areas = B, E, F, G, H, I, K, L, M, N, O, P

Dust Suppressant Areas = B, E, H, I, J, L, M, N, O, P

