

## Emission Systems O&M Preventive Maintenance Program

This is the preventive maintenance program for emission systems at CWC-Textron, 1085 West Sherman Blvd, Muskegon MI 49441.

The use of equipment checklists is the way all information regarding preventative maintenance observations are carried out.

Maintenance equipment checklists contain the following basic identification information:

Equipment number, description of system to be inspected, frequency of inspection, date of inspection, if the item is ok or needs repair, gage readings, comments section, notification to supervisor if problem, completed sheet checked, clock number of sheet checker and doc no.

Checklists are completed on a daily (some each shift) weekly, monthly, quarterly or semi-annual basis.

Blank equipment checklists are available in the maintenance office, and are stored in the EAM electronic maintenance program.

### Procedure:

- The maintenance manager shall assign a supervisor to be responsible for carrying out this procedure.
- The maintenance supervisor will assign personnel to make the preventive maintenance inspections.
- The inspector will review all items and mark with a check in the appropriate box.
- The completed form is turned in to the maintenance supervisor, who will assign or schedule corrective action by use of the EAM computer maintenance program where a work order will be generated. The work order will include the date, repair and man-hours required.
- The supervisor in charge will identify any equipment requiring maintenance and give the completed checklist to the maintenance coordinator.
- The repairs will be carried on the open work order until the work has been completed.
- Completed copies of current year equipment checklists are maintained in the maintenance office and prior year records are held in the records storage area.

	CWC Textron Emission Systems O & M Program		
PM Schedule_	Description	Type	WO Type
5000-E-D-TUE	D - 3RD SHIFT - MR1 - PLANT TOUR - EQUIPMENT SHUTDOWN - D2 THRU D5	Duplicate	
5100-003-D3	D - 1ST SHIFT - MW - FOUNDRY DUST COLLECTOR - D3	Variable	Preventive Maintenan
5510MR-2M	Q - 1ST W/E SHIFT - MR - DROP BOTTOM # 1 CUPOLA INSPECTION - WK1	Variable	Preventive Maintenan
5512-009	M - 1ST SHIFT - OIL - GREASE CUPOLA FAN SHAFT BEARINGS - 28 DAYS	Variable	Preventive Maintenand
5512-010	Q - 1ST SHIFT - OIL - GREASE CUPOLA FAN MOTOR - WK1	Variable	Preventive Maintenand
5512-2M	M - 3RD SHIFT - MRS - #1 CUPOLA BLOWER - WK2	Variable	Preventive Maintenand
5513-001	Q - 3RD SHIFT - OIL - DROP BOTTOM # 1 CUPOLA EMISSION FAN BEARINGS - WK1	Variable	Preventive Maintenand
5513-2M	Q - 1ST W/E SHIFT - MR - DROP BOTTOM # 1 CUPOLA EMISSION FAN - WK1	Variable	Preventive Maintenand
5513-003	D - 3RD SHIFT - OIL - #1 CUPOLA EMISSION FAN MOTOR BEARING - D1 THRU D4	Duplicate	Preventive Maintenand
5514-2M	M - 3RD SHIFT - MW - # 1 CUPOLA EMISSION FAN MOTOR INSPECTIONS - WK2	Variable	Preventive Maintenand
5514-001	M - 3RD SHIFT - OIL - CUPOLA ZURN FAN MOTOR GREASING - WK1	Variable	Preventive Maintenand
5515-001	Q - MAINT. / SMF OC - DROP BOTTOM - WET CAP CLEANING - WK1	Variable	Preventive Maintenand
5515-2M	M - 3RD SHIFT - MR5 - # 1 CUPOLA EMISSION DUCT INSPECTIONS - WK2	Variable	Preventive Maintenand
5516-001	BW - 1ST SHIFT - MR - # 1 CUPOLA SCRUBBER INSPECTION - ODD	Variable	Preventive Maintenand
5516-2M	Q - 1ST W/E SHIFT - MR - DROP BOTTOM # 1 CUPOLA SCRUBBER INSPECTION - WK1	Variable	Preventive Maintenand
5516-002	Q - MEACHAM - OC - DROP BOTTOM # 1 CUPOLA - DEMISTER PADS INSPECTION - WK2	Variable	Preventive Maintenand
516M - 8W	6 - 3RD SHIFT - MR- #1 CUPOLA DEMISTER INSPECTION	Variable	Preventive Maintenand
517-005	BW - 1ST SHIFT - MR - # 1 CUPOLA SEPARATOR INSPECTION - ODD	Variable	Preventive Maintenand
5517-2M	Q - 3RD SHIFT - MR - #1 CUPOLA SEPARATOR INSPECTION	Variable	Preventive Maintenand
519-1-2M	M - 3RD SHIFT - EL - #1 CUPOLA STACK BURNER - WK2	Variable	Preventive Maintenand
600-D	D - 1ST SHIFT - MR - DUST COLLECTORS TOUR - D1 THRU D5	Duplicate	Preventive Maintenance
765-D-MON	D - 2ND SHIFT - MR - PLANT TOUR EMISSION - D1 THRU D5	Duplicate	Preventive Maintenance
	W-2ND SHIFT - MR - PLANT TOUR EMISSION	Variable	Preventive Maintenance
	D - 1ST SHIFT - MR - PLANT TOUR - D1	Variable	Preventive Maintenance
800-001	M - 1ST SHIFT - OIL - DUST COLLECTORS 1,2,5,6,12,13,17,19,20 GREASING - WK1	Variable	Preventive Maintenance
819-001	BW - 2ND SHIFT - MW - # 19 DUST COLLECTOR MECHANICAL CHECK - EVEN	Variable	Preventive Maintenance
819-002	W - 1ST SHIFT - MW - # 19 DUST COLLECTOR MECH. CHECK	Variable	Preventive Maintenance
819-007	M - BOB MEACHAM - # 19 DUST COLLECTOR PIPE BUILD UP REVIEW	Variable	Autonomous Maintenand
	Updated 1/26/23		

The environmental department will record information daily by using the "Daily Environmental Check Sheet" 811.001 located in our "Power way" document control system and includes:

Static pressure for venturi scrubber and demister scrubber
Emission pump pressure
Magnesium Hydroxide flow rate
Static pressure readings for dust collectors: #1, #2, #5, #6, #12, #13, #17, #19, #20
Visible emissions from all sources
NCC – emission probe readings for #1, #5, #6, #12, #13

And will record on a weekly basis:

Emission pond visible observations Fugitive dust observations

Deviations will be noted and corrective action taken.

Dry collectors #1, #5, #6, #12, #13, #17, #19, #20 will be black light tested on a semi-annual basis at summer shutdown and winter shutdown.

An outside contractor at a minimum of once a year will conduct detailed inspections of dust collectors and the cupola emission systems.

## **Checklists and Plant Map**

The pages that follow contain the checklists mentioned above and a plant dust collector map.

Updated: 1/26/23

By: Robert Meacham

KT-MU	SKEG	NC	%		M	KG Pla	ant					
PM Cod	e Job	Гуре										
5000-E-D-	TUE PM											
						Descriptio	n	- 21 -				
D - 3RD SI	HIFT - MR1	- PLAN	NT TOUR - E	QUII	PMEN	IT SHUTD	OWN -	D2 T	HRU [	)5		
Cost Code	Equipment	De	escription	Loc	ation	Assigned	to Cla	ass	Freq	UOM	Deactivated	
79	M5600	GENE	RAL PLANT			Α	WE	KLY	1	WEEK		
Material List	Equipmen	t Part	Description	Bin	QTY	Available	QTY Ne	eded				
					Ta	ask Instruct	ions	***				
B) IF A	NY DISCR FORM TH	EPANC E FOLL	LOCKOUT / IES ARE FOU OWING TAS DER DENVER	JND KS	IMM	EDIATELY	CONTA			SUPERV	ISOR.	
SAND SYS	TEM: ENSU 211 - MOL	IRE HE/ D DUM	ARGE DOOR! ATER PACKA	GES					: OFF			
	SHUTDO'	WN ZU ARING	JRN FAN WATER ON GNESIUM H		OXID	E						
TUESD	AY W	EDSNE	DAY THU	IRSD	AY	FRIDA\	′					
a.												

5100-003	- D3 PM							
	1 1 1 1 1 1	***************************************		Descriptio	п		.55. 7	
D - 1st 5H	IFT - MW -	FOUNDRY DRY	DUST CO	LLECTOR - [	)3			
Cost Code	Equipment	Description	Location	Assigned to	Class	Freq	UOM	Deactivated
01	M5100	SAND SYSTEM		AA-MW	DAILY	1	WEEK	Aug 17, 2011 12:00:00 AM
Crontad	Gundy Mic			Task Instructi		- · · · · · · · · · · · · · · · · · · ·	····	
	1000	R LOCKOUT / T	(C) (C)	08/11/2010 ROCEDURE	10:29]:			
a) comp B) perfor	LETE PROPE	R LOCKOUT / TA	AGOUT P	ROCEDURE	·	-cTO	DC 11 1	47 #F #C #17 #17 #17
A) COMP  B) PERFOR  DURING C  1) CHE  2) CHE  3) CHE  6) CHE	LETE PROPE IM THE FOL PERATION ECK FOR LO ECK DRIVE ( ECK MOTOR ECK BELTS - ECK SHEAVE CK BEARIN	ER LOCKOUT / TA LOWING TASKS VISUALLY INSPE POSE FASTENERS CONDITION R FOR HOT OR N GOOD OR SLIPP	AGOUT P CTION FO  COISEY PING OR I	ROCEDURE  OR DRY DUS  MISSING #_	·	ЕСТОР	RS # 1, #	£2, #5, #6, #12, #13, #17;

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KT-MUS	SKEGO	N %	MK	G Meltin	g			
PM Code	Job Typ	ре						
5510MR-2	м РМ							
N. S.			De	escription				
Q - 1ST W/	Æ SHIFT - I	MR - DROP BOTTOM	# 1 CUPC	OLA INSPECT	ION - WK1			
Cost Code	Equipment	Description	Location	Assigned to	Class	Freq	UOM	Deactivated
27	M5510	#1 CUPOLA (WEST)	and the same of th	Α	QUARTRLY	3	MONTH	
Material List	Equipment	t Part Description Bir	n QTY Av	ailable QTY	Needed			
			Task	Instructions				
B) IF ANY C) PERFO INSTRUCTI service. Th	' DISCREPA RM THE FO ONS: Thes is docume down) WES YERE CHECK	PER LOCKOUT / TAGO ANCIES ARE FOUND I OLLOWING TASKS se ckecks and tests ne ent is not complete un ST (#1)	MMEDIAT	COMPleted of	on the cupola	a whic		to go back into
2) 3) 4) 6)		5)		· - –	_			
WATER SYS YES   NC PANEL ALA ======= CUPOLA GO 1 CAP OPE	) RM CHECK ===== DING INTO NING AND	CK AJAX PIN CHE YES   N  C EAS	NO ST OK YES	NO	======= WEST OK =======			====
3) OXYGEN	I SYSTEM \	WORKING			=======	====	======	====
FORM.	CESSFUL R	E-CERTIFICATION OF			ICE" CUPOLA	, CON	IPLETE AN	ID SIGN THIS
MELTING:			MAINTE	NANCE:				
_		pervisors Signiture )	_	( Mainte	nance Super	visors	Signiture	)
, (	Skilled Tra	ade Signiture )						

KT-MUS	SKEGO	N	%	M	KG M	elting				
PM Code	Job Type									
5512-009	PM									
					Description	on				
M - 1ST SH	IIFT - OIL -	GREAS	SE CUPOLA	FAN SHA	FT BEARI	NGS - 28 DA	YS			
Cost Code	Equipment		Descriptio	n	Location	Assigned to	Class	Freq	UOM	Deactivated
27	M5512	#1 Cu	ipola Charg	e Blower		Α	MONTHLY	28	DAYS	
Material List	Equipment	Part	Description	Bin QT	/ Available	QTY Needed				
				Т	ask Instruc	tions				
B) IF ANY I C) PERFOR	DISCRPANO M THE FOL	CIES AF	NG TASKS	IMMEDIA		NTACT YOU				
			Rease (USE Cupola bl			CUPOLA BLO	OWER FAN B	EARIN	IGS USI	NG THE
			00405 SHEL		S5 V100 (	GREASE				
<ol><li>GR</li></ol>	EASE THE 2	FAN S	SHAFT BEA	RINGS.						

#### **KT-MUSKEGON** % **MKG Melting** PM Code Job Type 5512-010 PM Description Q - 1ST SHIFT - OIL - GREASE CUPOLA FAN MOTOR - WK1\* Cost Code Equipment Description UOM Deactivated Location Assigned to Class Freq 27 M5512 #1 Cupola Charge Blower QUARTRLY 12 **WEEK** Material List Equipment Part Description Bin QTY Available QTY Needed Task Instructions

### 5512-010

- A) COMPLETE PROPER LOCKOUT/TAGOUT
- B) IF ANY DISCRPANCIES ARE FOUND IMMEDIATELY CONTACT YOUR SUPERVISOR
- C) PERFORM THE FOLLOWING TASK
- 1. USING CWC#OILS000405 SHELL GADUS S5 V100 GREASE
- 2. USING A MANUAL GREASE GUN ON THE VOLUME SETTING INSERT 11 PUMPS FROM THE GUN INTO EACH OF THE MOTOR BEARINGS (2).
- 3. GREASE IN IAW (SEE ATTACHED DOCUMENT)

KT-MU	SKEGO	N	%	M	KG M	elting				
PM Code	Job Type									
5512-2M	PM									
	la accumentation of the latest and t				Description	on				
M - 3RD S	HIFT - MR5	-#10	CUPOLA BLO	OWER - \	NK2					
Cost Code	Equipment		Description		Location	Assigned to	Class	Freq	UOM	Deactivated
27	M5512	#1 Cu	pola Charge	Blower		Α	MONTHLY	1	MONTH	
Material List	Equipment	Part	Description			QTY Needed				,
				Т	ask Instruc	tions				
5512-2M			CKOUT / TA			-				
1) Ch	eck All Dan	npers F	VING TASKS For Smooth ( or Excess We		& Closing	3				
3) Ch	eck Blower	For Ex	cess Vibratio	on						
4) Ch	eck Dampe	r Cylin	der Shaft Cl	evis & Pi	n For Exce	ess Wear				
5) Ch	eck Inlet Da	amper	For Build Up	On Scr	een					
6) Ch	eck Inlet Da	amper	For Proper (	Opening	& Closeir	ıg				
7) Ch	eck Mounts	s Bolts	For Blower I	Motor						
8) Ke	ep Blower F	Room (	Cleaned Out	At All Ti	imes					
9) CH	IECK EXPAI	NSION	RUBBER FO	R CRACK	(S. DEFEC	TS. TIGHT IN	STALLATIO	N		

KT-MUSKEGON % MKG Melting. PM Code | Job Type 5513-001 PM Description M - 3rd SHIFT - OILER - # 1 CUPOLA EMISSION FAN BEARINGS Cost Code | Equipment Description Location | Assigned to Class Freq UOM Deactivated 27 M5513 #1 Cupola Emission Fan AA-OIL MONTHLY 1 MONTH Material List | Equipment | Part | Description | Bln | QTY Available | QTY Needed Task Instructions A) COMPLETE PROPER LOCKOUT / TAGOUT PROCEDURE B) PERFORM THE FOLLOWING TASKS 1) \_\_\_ DRAIN OIL AND FILL WITH NEW, SHOULD BE MID-LEVEL ON SIGHT GLASS TAKES OILS00046

KT-MU	SKEGO	ON % N	NKG N	lelting_					
PM Code	Job Type	and one from the second se	a an an an significant for the significant and the significant for	and the second s	Markor Ferences	CONTRACT	NAMES OF THE PARTY		
5513-2M	PM								į
; 			Descript	tion	. v g				. ]
	THE PROPERTY OF THE PARTY OF TH	# 1 CUPOLA EMISSION FA	N	THE STATE OF THE S	Military results to the Company of t		Description of the Property of	والمعادلة والمراد والمرادة وا	.
Cost Code		Description	Location	Assigned to	Class	Freq	MON	Deactivated	1
Material Liet	M5513	# 1 Cupola Emission Fan	Derca tarterophitres	AA-MR	QUARTRLY	1	N/A		
Material List	Lquipmen	Part Description Bin QT	Y Available Task Instru	THE PERSON OF THE PARTY NAMED IN	<u> </u>			·	- 1
A) COMPL	ETE PROPE	R LOCKOUT / TAGOUT PR							
•									
B) PERFOR	M THE FOL	LOWING TASKS							ii
NOTE: CUP	OLA BOTT	OM MUST BE DROPPED FO	OR THESE	TASKS TO	BE STARTED.			8	
1) Che	ock Boots C	On Incoming & Out Going S	idea Of F	·					11
17CITE	:CK DOOLS C	on incoming & Out Going 5	sides Of F	·an					
2) Che	ck Ducting	To Staeck							
3) Che	ck Fan Bea	rings, Mount Bolts							ij
4) Che	ck Fan For	Vibration							
5) Che	ck Fan Run	ner For Build Up On Blade	es						
6) Che	ck Guillotir	ne Blades & Guides							
7) Che	ck Guillotin	e Cylinder,Hoses.							
8) Chec	ck Louver C	Coupling, Bearings & Linka	ge						
9) Chec	k Louvers	& Louver Action							
10) Che	eck Oil Leve	el & Water Flow							
		lozzles To Fan & Drains Ar	e Open	. 251441 W. 25.21	1212/2006 (17.1)		·	a on beers	

PM Code	Job Type										
5513-003											
3313 003					Description	n					
D - 3RD SH	HIFT - OIL -	#1 CU	POLA EMIS	SION	I FAN MOTOR		- D1 THRU I	04			
Cost Code	Equipment			criptic		Location	Assigned to	Class	Freq	UOM	Deactivated
27		#1 Cu	pola Emissi	on F	an - ZURN FAN		Α	WEEKLY		WEEK	
Material List		_			QTY Available		ed .				
American American Line Section (American)	ndermoniscozum annon			Principal Communication of	Task Instructi	ions					
B) IF AN' C) PERFC 1) CH	Y DISCREPA ORM THE FO ECK OIL IN	NCIES LLOW SIGHT	ARE FOUN ING TASKS GLASS FO	D IM	UT PROCEDURI IMEDIATELY CO EARINGS, OIL S	ONTACT YO	E MID-LEVE		TELLU	IS S2 M	
B) IF AN' C) PERFC 1) CH	Y DISCREPA ORM THE FO ECK OIL IN	NCIES LLOW SIGHT	ARE FOUN ING TASKS GLASS FO	D IM	IMEDIATELY CO	ONTACT YO	E MID-LEVE		TELLU	IS S2 M	
B) IF AN' C) PERFC 1) CH 46" (OILS0	Y DISCREPA ORM THE FO ECK OIL IN	NCIES DLLOW SIGHT ARE 4	ARE FOUN /ING TASKS GLASS FOI SIGHT GLA	D IM	IMEDIATELY CO	ONTACT YO	E MID-LEVE		TELLU	IS S2 M	

KT-MU	SKEGO	N	%		MKG	Melti	ng				
PM Code	Job Type										
5514-2M	PM										
					Desc	cription					
M - 3RD S	HIFT - MW	- # 1 0	UPOLA EM	ISSIC	ON FAN M	OTOR II	SPECTIONS	- WK2			
Cost Code	Equipment		Descrip	tion		Location	Assigned to	Class	Freq	UOM	Deactivate
27	M5514	#1 Cu	ipola Emissi	on F	an Motor		Α	MONTHLY	1	MONTH	
Material List	Equipment	Part	Description	Bin	QTY Avail	able QT	Y Needed				
					Task In	structions					
•			CKOUT / T/				FACT YOUR S	SUPERVISOR.			
C) PERFC	RM THE FO	OLLOV	VING TASKS	5							
1) Che	eck Couplir	ng Bolt	s & Hub								
2) Che	eck Motor	Mount	Bolts								

							ng				
PM Code	Job Type										
5514-001	PM										
					Desc	ription					
6MTH - 3F	RD SHIFT - (	OIL - CUP	OLA ZUR	N FAN	MOTOI	R GREASI	NG - WK1				
Cost Code	Equipment		Descrip	tion		Location	Assigned to	Class	Freq	UOM	Deactivated
27	M5514	#1 Cupo	ola Emissi	on Fan	Motor		Α	6-MONTH	6	MONTH	
Material List	Equipment	Part D	escription	Bin C	QTY Availa	able QTY	Needed				
					Task Ins	structions					
B) IF AN	PLETE PROP Y DISCREPA DRM THE FO	NCIES A	RE FOUN	D IMM			ACT YOUR S	SUPERVISOR.			
B) IF AN	Y DISCREPA	NCIES A	RE FOUN	D IMM			ACT YOUR S	SUPERVISOR.			
B) IF AN' C) PERFO	Y DISCREPA DRM THE FO	NCIES A	RE FOUN IG TASKS	D IMM	1EDIATEI	LY CONTA	ACT YOUR S				

5515-0	de Job Type 01 PM									
			A . I	Description		CORE DE MOSTORIOS	e	0.9	er ores	
Q - MA	INT. / SMF	OC - DROP BO	OTTOM - WET	CAP CLEANING	G - WK1		The second section of the second		9 10 10 E 10 10 E 10 E 10 E 10 E 10 E 10	
Cost Code	Equipment		Description		Location	Assigned to	Class	Freq	ИОМ	Deactivated
27	M5515	#1 Cupola E WET CAP	Emission Duct	- VENTURI -		Α	QUARTRLY	3	MONTH	
Material	List Equipme	ent Part Desc	cription Bin Q	TY Available QT	TY Needed	120	200 - 200 C	4 2-	1.00	
V. 19. 11.300 13.0	atments a 11.0 Mil too	2 2 28	2.603 2.604" .0	Task Instructions	3	1000 M 1001 100 M 11	St. 6 8 100.5 (8.0			
5515-0	UI									
3313-0	UI									
		OPER LOCKO	UT / TAGOUT	PROCEDURE						
A) CO	MPLETE PR			PROCEDURE EDIATELY CON	TACT YOU	R SUPERVI	SOR.			
A) CO B) IF <i>I</i>	OMPLETE PRO		FOUND IMM		TACT YOU	R SUPERVI	SOR.			
A) CO B) IF <i>I</i>	OMPLETE PRO	PANCIES ARE	FOUND IMM		TACT YOU	R SUPERVI	SOR.			

PM Code	e Job Type								
5515-2N	M PM								
			Description						
M - 3RD	SHIFT - MR	85 - # 1 CUPOLA	EMISSION DUCT INSPE	CTIONS - V	VK2				
Cost Code	Equipment	[	Description	Location	Assigned to	Class	Freq	UOM	Deactivated
27	M5515	#1 Cupola Emiss WET CAP	ion Duct - VENTURI -		Α	MONTHLY	1	MONTH	
Material L	ist Equipme	nt Part Descriptio	n Bin QTY Available QT	Y Needed					
			Task Instructions						
1)	CHECK / CL	FOLLOWING TAS EAN OUT LONG T TING FOR SIGNS	ROUGH OF ANY DEBRIS						
4)	CHECK CAP	DRAIN FOR EXCE	N JOINTS FOR WORN BO	OTS = CA	P				
4) (5) (6) (	CHECK CAP CHECK CAP	DRAIN FOR EXCE	SSS WEAR	OTS = CA	P				
4) (5) (6) (7) (7)	CHECK CAP CHECK CAP CHECK CAP	DRAIN FOR EXCE  CABLE & CABLE S  STOPS  PIVOT PINS & BU	SSS WEAR		P				
4) (5) (6) (7) (8) (6)	CHECK CAP CHECK CAP CHECK CAP CHECK CAP	DRAIN FOR EXCE  CABLE & CABLE S  STOPS  PIVOT PINS & BU  CYLINDER : ROD	SSS WEAR SHEAVES FOR WEAR SSHINGS	SHINGS		NE			
(4) (5) (6) (7)	CHECK CAP CHECK CAP CHECK CAP CHECK CAP CHECK CAP	DRAIN FOR EXCE  CABLE & CABLE S  STOPS  PIVOT PINS & BU  CYLINDER : ROD  CYLINDER : FOR I	SSS WEAR SHEAVES FOR WEAR SHINGS END, CLEVIS PINS & BUS	SHINGS OF AIR LII	NES = COI		CTION	I	

Organization KT-MUSKEGON **WORK ORDER** Location Job Type PM Report Date Mar 2, 2023 Assign To % Page # 17 2786406 27 BW - 1ST SHIFT - MR - # 1 CUPOLA SCRUBBER INSPECTION - ODD 5516-001 PM M5516 #1 Cupola Scrubber Mar 18, 2023 12:00:00 AM Scheduled End Date: EMP ID **MDONSELAR** Created By: DATE **BIWEEKLY** Work Order Class: HOURS Assigned to code: AA-MR Assigned to name: Machine Repair Requested By: A) COMPLETE PROPER LOCKOUT / TAGOUT PROCEDURE B) IF ANY DISCREPANCIES ARE FOUND IMMEDIATELY CONTACT YOUR SUPERVISOR. C) PERFORM THE FOLLOWING TASKS Check All Boots & Ducting For Worn Spots 2) \_ Check Cone For Excess Wear 3) \_\_\_ Check Cone For Proper SetTING 4) \_\_ Check Scrubber For Build Up 5)\_\_\_\_Check Scrubber For Excess Wear

BW - 1ST SHIFT - MR - # 1 CUPOLA SCRUBBER INSPECTION - ODD

Materials

Part

Des

Bin

Requested Qty Qty on-hand

KT-MU	SKEGO	N %	MKG	i Meltin	g			
PM Code	Job Type	and the second s		e to form were publicative if all	ok will As and Alfred Co. (1994)	Boalegare	north Early Sta	
5516-2M	PM :							
		· · · · · · · · · · · · · · · · · · ·	Des	cription				
Q - 3rd SH	IFT - MR -	# 1 CUPOLA SCRUBBE	R INSPEC	TION				
Cost Code	Equipment	Description	Location	Assigned to	Class	Freq	UOM	Deactivated
27	M5516	#1 Cupola Scrubber	thereis are to be being an	AA-MR	QUARTRLY	1	N/A	L j
Material List	Equipment	Part Description Bin	QTY Avai	lable QTY N	eeded			
B) PERFOR	M THE FOL	R LOCKOUT / TAGOUT  LOWING TASKS  OM MUST BE DROPPE  S & Ducting For Worn	D FOR TH		TO BE START	ED.		•
-		r Excess Wear						
4) Che	k Scrubbe	r For Build Up						
5) Chec	k Scrubbe	r For Excess Wear						

KT-MUSKEGON % MKG Melting
PM Code Job Type
5516-002 PM
Description
Q - MEACHAM - OC - DROP BOTTOM # 1 CUPOLA - DEMISTER PADS INSPECTION - WK2
Cost Code Equipment Description Location Assigned to Class Freq UOM Deactivated
27 M5516 #1 Cupola Scrubber A QUARTRLY 1 N/A
Material List Equipment Part Description Bin QTY Available QTY Needed
Task Instructions 5516-002
COMPLETE PROPER LOCKOUT / TAGOUT PROCEDURE
<ul><li>B) IF ANY DISCREPANCIES ARE FOUND IMMEDIATELY CONTACT YOUR SUPERVISOR.</li><li>C) PERFORM THE FOLLOWING TASKS</li></ul>
1)Check pads are lying down in the grid framework with no gaps larger than 1 inch between pads
2)Check iron angle braces are in good condition
A)Not broken
B)Still attached to the wall
C)Located in the proper position holding down the demister pads from movement.
3)Check the underside of the demister pads
Are the water sprays contacting the bottom of the pads
B)Are all spray heads spraying water
4)Any other issues noted about the pads or water system report back to Bob Meacham
, any other issues noted about the pags of water system report back to bob weatham

KT-MU	SKEGO	ON:::%	MKC	Meltin	g				
PM Code	Job Type	9	Augus Berleya Diesera	an alian da ang ang ang ang ang ang ang ang ang an	PROGRAMA CONTRACTOR CO				20.,
5516M-8\	N PM								
			De	scription				(50	
6 - 3rd SH	IFT - MR -	# 1 CUPOLA DEMISTER	RINSPECT	TON		,			
Cost Code	Equipment	Description	Location	Assigned to	Class	Freq	UOM	Deactivated	ĺ
27	M5516	#1 Cupola Scrubber		AA-MR	6-MONTH	6	MONTH	1	
Material List	Equipment	Part Description Bin	QTY Avai	lable QTY N	eeded	J-, -	د	·	
ļ		· · · · · · · · · · · · · · · · · · ·	Task Ir	nstructions					
MANNING	: 1 ON BU	RNER / 1 ON WATCH	/10N	CLEANING					
TO COMPI	FTF THIS T	ASK THE FOLLOWING	IC DEOLII	DED.					
		NNIE FROM REDI RENT			R71			z.	
INCLUDE 1	50 FOOT C	F STANDARD HIGH PE	RESSURE	HOSE FROM	REDI RENTA	AL.			
A) COMPU	Tr book								
A) COMPLE	TE PROPE	R LOCKOUT / TAGOUT	PROCED	URE					
									Ī
B) PERFORI	M THE FOL	LOWING TASKS							
1) CHE	CV DENIET	CED DADE TO CHICLIPE	TUEL A DE						
·/ CIT	CK DEIVID	TER PADS TO ENSURE	INEY ARE	: SECURLY F	AS TENED				j
2) CHE	CK INSIDE	DEMISTER TO ENSURE	THERE IS	NO DEBRIS	- CAREFULI	LY REM	MOVE IF FO	DUND	1
3) VIS	UALLY INS	PECT NOZZLES FOR DA	MAGE						

Organization	KT-MUSKEGON		<b>WORK ORDER</b>		Location						
Job Type	PM				Report Date	Mar 2, 2023					
Assign To	%				Page #	18					
2786407			27	7							
5517-005	BW -	1ST SHIFT - MR - #	1 CUPOLA SEPARATOR	RINSPECTION	N - ODD						
PM											
M5517	#1 Cupola Sepai	rator - Demister - VEN	NTURI								
Scheduled En	d Date: Mar 18, 2	2023 12:00:00 AM		EM	IP ID	1					
Created By:	MDONSE	ELAR			ATE						
Work Order Cl	ass: BIWEEKL	_Y			URS	1					
Assigned to co				ПО	UK5						
Assigned to name: Machine Repair Requested By:											
A) COLUMN 5	5 22 225 1 2 21/21		Tasks								
B) IF ANY		/TAGOUT PROCEDURE FOUND IMMEDIATELY CON TASKS	TACT YOUR SUPERVISOR.			· ·					
	. Do-	,	·	8							
NOTE: CUPOLA	A BOTTOM MUST BE	DROPPED FOR THESE TASKS	S TO BE STARTED.								
1) Check A	ll Boots & Ducting Fo	or Worn Spots									
2) Check A	ll Emission Drain Line	es To Pond For Leaks & Worr	n Sections								
3) Check M	ount Bolts For Motor	rs & Pumps									
4) Check Pa	acking Glands For Lea	ıkage									
5) Cneck Pu	ump Pressure Should	Be At 55 To 60 P.S.I.									
5) Check Se	parator For Plugged	Screens									
7) Check Sh	eaves, Vee Belts For	Wear & Alignment									
3) Check Su	b Pumps										
)) CHECK D	DEMISTER PADS TO EI	NSURE THEY ARE SECURLY F	FASTENED								
0) CHECK	INSIDE DEMISTER TO	ENSURE THERE IS NO DEBE	RIS - CAREFULLY REMOVE IF FOU	JND							
1) VISUAL	LY INSPECT NOZZLES	FOR DAMAGE									
W - 1ST SHIF	T - MR - # 1 CUPO	OLA SEPARATOR INSP	PECTION - ODD								
			Materials								

Requested Qty

Qty on-hand

Desc

Organization KT-MUSKEGON

PM Code	Job Type		lelting				Hanifesta Sanggara	
5517-2M								
Partie Comment of the State of	trong promo romal	Descrip	tion	<b>■ ■</b> 0				1
Q - 3rd SI	IIFT - MR -	# 1 CUPOLA SEPARATOR INSPECTION	NC	- (**)		<b>W</b> W();	×	1
Cost Code	Equipment	Description	Location	Assigned to	Class	Freq	UOM	Deactivate
27	M5517	#1 Cupola Separator [ Demister ]		AA-MR	QUARTRLY	1	N/A	
Vaterial List	Equipment	Part Description Bin QTY Available	QTY Ne	eded	le 4			Sir y ny
es Kha	ete one me	Task Instru				-		]
A) COMPL	ETE PROPE	R LOCKOUT / TAGOUT PROCEDUR	1					]
R) PEREOR	M THE EOI	LOWING TASKS						l
-, , Litt 011	THE TOE	TOWING IVOKS				90		1
NOTE: CUF	OLA BOTT	OM MUST BE DROPPED FOR THESE	TASKS T	O BE START	ED.			ĺ
I) Che	ck All Boot	s & Ducting For Worn Spots						
/ cne	CK All BOOL	a world spots						i
)Che	ck All Emis	sion Drain Lines To Pond For Leaks	& Worn S	ections				l
) Che	rk Mount B	olts For Motors & Pumps						
Crici	-K MOUNT L	oits for Motors & Pumps						l I
) Chec	k Packing	Glands For Leakage						1
) Chec	de Diumo De	onesium Charild Da Al CD To do bas						
criec	K rump ri	essure Should Be At 55 To 60 P.S.I.						- 1
) Chec	k Separato	r For Plugged Screens						1
Char	Let							i
) Chec	k Sneaves,	Vee Belts For Wear & Alignment						1

KT-MU	SKEGO	N	%		MKC	3 Me	eltin	g			
PM Code	Job Type										
5519-1-2N	/ PM										
					De	escriptio	n				
M - 3RD S	HIFT - EL - :	# 1 CU	POLA STAC	K BI	JRNER -	WK2			_		,
Cost Code	Equipment			_	Location	Assign	ned to	Class	Freq	UOM	Deactivated
27		_				Α			1	MONTH	
Material List	Equipment	Part	Description	Bin	-			Needed			
5510 1 2N	1				Task	instruct	ions				
A) COM	PLETE PROF							CT VOLIB SI	IDCD\/	ICOD.	
C) PERFO	ORM THE FO	OLLOW	VING TASKS		MINIEDIAI	LLT C	JNIA	CT TOOK 30	ir EKVI	JOK.	
1) Che	eck All Pan	el Indio	cator Lights								
2) Che	eck Burner	Ignitio	n								
3) Che	eck Burner	Modu	lation								
4) Che	ck Combu	stion E	Blower								
5) Che	ck Maxon	Valve	Operation								
6) Che	eck Modula	tion O	f Combusti	on A	Air						
7) Che	eck Purge C	ycle									
8) Che	ck Spark P	lug Co	nnections								
Description  M - 3RD SHIFT - EL - # 1 CUPOLA STACK BURNER - WKZ  Cost Code   Equipment   Description   Location   Assigned to   Class   Freq   UOM   Deactivated    N 5510   #1 CUPOLA (WEST)   A   MONTHLY   1   MONTH    Material List   Equipment   Part   Description   Bin   QTY Available   QTY Needed    Task Instructions  5519-1-2M  A) COMPLETE PROPER LOCKOUT / TAGOUT PROCEDURE  B) IF ANY DISCREPANCIES ARE FOUND IMMEDIATELY CONTACT YOUR SUPERVISOR.  C) PERFORM THE FOLLOWING TASKS  1) Check All Panel Indicator Lights  2) Check Burner Ignition  3) Check Burner Modulation  4) Check Combustion Blower  5) Check Maxon Valve Operation  6) Check Purge Cycle  8) Check Spark Plug Connections  9) Check Thermocouple Signal At Barber Colman Unit  10) Check Vent Valve											
10) Ch	eck Vent V	alve/									
11) Ch	eck All Wir	e Con	nections At	Sta	ck Burne	r And	Main	Controls			

KT-MU	SKEGO	N	%	MK	G Main	tenand	е			
PM Code	Job Type									
5600-D	PM									
				1	Description					
D - 1ST SH	IIFT - MR -	DUST (	COLLECTORS	TOUR - D	1 THRU D5					
Cost Code	Equipment	D	escription	Location	Assigned to	Class	Freq	UOM	Deactivated	
44	M5800	ENVIR	ONMENTAL		Α	WEEKLY	1	WEEK		
Material List	Equipmen	Part	Description E	Bin QTY A	vailable QT	Y Needed				
				Tas	k Instructions					
B) IF ANY I C) PERFOR Cleaning R Emissions (	DISCREPAN M THE FOI m - #1 & # Contact Yo	ICIES A LOWIN 2 DUS ur Supe	T COLLECTOF ervisor)	MMEDIAT	ELY CONTA				eaks (If Visil	ble
1) Record			_		//C -= 0	. 15.6.6		v to 1010 <b>–</b> 1010		
Mon	rue	wea	Thurs	Fri	(It <5.0 -	>12.0 Con	tact Yo	our Sup	ervisor)	The state of the s
2) Check #	1 Air Pulse	Unit O	peration - Re	ecord Inle	t Air Pressu	re				CONTROL OF LABOUR PACE.
Mon	Tue	Wed	Thurs	Fri	_					
3) Record a	#2 Manom	eter Re	ading:							
Mon	Tue\	Wed	Thurs	Fri	_ (If <3.0 -	>10.0 Con	tact Yo	our Sup	ervisor)	
4) Check #	2 Air Pulse	Unit O	peration - Re	cord Inle	t Air Pressu	re				
	LEANING F	_	Thurs - #5 DUST CO	_	_ R Manometo	er Reading	s: (If <	3.0 - >1	0.0 Contact	Your
Mon	Tue\	Ved	Thurs	Fri	_					
6) KNOCK	/ OFF - #6	DUST (	COLLECTOR \	isually Ch	neck For Sta	ıck Emissic	ns An	d Leaks		
Mon	Tue\	Ved	Thurs	Fri	_ (If Visible	Emissions	Conta	ct Your	Supervisor)	
7) Record #	6 Manom	eter Re	ading: (If <5.	0 - >12.0	Contact You	ur Supervis	or)			
Mon	Гие V	Ved	Thurs	Fri	_					
8) Check #6 Fri	5 Air Pulse	Unit O	peration - Re	cord Inle	t Air Pressui	re Mon	Tue	:\	Wed T	hurs
			NOTE*** DO DWN OPERAT				tack Er	nissions	s And Leaks	
Mon1	TueV	Ved	Thurs	_ Fri	_ (If Visible	Emissions	Conta	ct Your	Supervisor)	

# KT-MUSKEGON % MKG Maintenance

Task Instructions
10) #11 BOND RECEIVER - NOTE*** DOES NOT HAVE A MANOMETER Inspect RECEIVER For Misc. Failures such as Loose Fasteners, Missing Guards, Etc.Check Air Pulse Unit Operation. Visually Check For Stack Emissions And Leaks
Mon Tue Wed Thurs Fri (If Visible Emissions Contact Your Supervisor)
11) ACS VACUUM - #12 DUST COLLECTOR Visually Check For Stack Emissions And Leaks (If Visible Emissions Contact Your Supervisor) Record #12 Manometer Reading:
Mon Tue Wed Thurs Fri (If <14.0 - >20.0 Contact Your Supervisor)
Check #12 Air Pulse Unit Operation - Record Inlet Air Pressure (Operating Pressure 85 - 100 Psi, Adjust Regulator If Necessary)
Mon Tue Wed Thurs Fri(If Visible Emissions Contact Your Supervisor)
12)FINAL BLAST - #13 DUST COLLECTOR Visually Check For Stack Emissions And Leaks (If Visible Emissions Contact Your Supervisor)
Mon Tue Wed Thurs Fri
Record #13 Manometer Readings: (IF <5.0 - >13.0 Contact Your Supervisor)
Mon Tue Wed Thurs Fri
Check #13 Air Pulse Unit Operation - Record Inlet Air Pressure (Operating Pressure 85 - 100 Psi, Adjust Regulator If Necessary)
Mon Tue Wed Thurs Fri
13)#17 SHAKEOUT DUST COLLECTOR Inspect Collector For Misc. Failures (Loose Fasteners, Missing Guards, Etc.) Check Air Pulse Unit Operation - Record Inlet Air Pressure:
Mon Tue Wed Thurs Fri (If Visible Emissions Contact Your Supervisor)
14)#19 DUST COLLECTOR - Record #19 Manometer Reading:
Mon Tue Wed Thurs Fri (If <2.0 - >10.0 Contact Your Supervisor)
Check #19 Air Pulse Unit Operation - Record Inlet Air Pressure
Mon Tue Wed Thurs Fri 15) VIBRA DRUM - #20 DUST COLLECTOR Visually Check For Stack Emissions And Leaks
Mon Tue Wed Thurs Fri (If Visible Emissions Contact Your Supervisor)  Record #20 Manometer Readings: (IF <2.0 - >10.0 Contact Your Supervisor)  Mon Tue Wed Thurs Fri (If Visible Emissions Contact Your Supervisor)  16) Check #20 Air Pulse Unit Operation - Record Inlet Air Pressure (Operating Pressure 85 - 100 Psi, Adjust Regulator If Necessary)

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Y EHS
3

KT-MUS	SKEG	ON	%	M	KG Pla	ant				
PM Code	Job	Туре								
5765-D-M	ON PM									
					Descriptio	n				
D - 2ND SI	HIFT - MI	R - PLA	ANT TOUR EM	SSION - I						
Cost Code			Description	_	Assigned		Freq	UOM	Deactivated	1
	M5600	_	NERAL PLANT	Location			-		Deactivated	
			and reposition of the proposition of the party of the par	D: 07	Α	WEEKLY	1	WEEK		
Material List	Equipme	ent Pa	art Description	THE RESERVE OF THE PARTY OF THE	-					
					ask Instruct	ons				
B) IF ANY I C) PERFOR 1)( 2)( 3) A) VERI B) VERIF C) VERIF	DISCREPA M THE F KAISER I CHECK A CHECK A IFY TILT V FY HYD. S TY PIVOT CHECK C	ANCIE OLLOV ROOM JAX FU AJAX F VALVE SYS FC POIN UPOL	OCKOUT / TAG S ARE FOUND WING TASKS I CHECK THE H JRNACE HYDR URNACE TILT IS WORKING OR TILT IS WOR TS FOR TILT AI A EMISSION W	IMMEDIA  JEATER AI  AULIC OI  CYLINDER  PROPERL  RKING PRO  RE LUBRIC  ATER, DR	ND FAN C L LEVEL RS FOR LE Y OPERLY CATED RAINS, AN	ONLY AKS D COOLING	WATE			
EMISSION   8) L 9) V 10)	PIT SUM LISTEN FO 'ISUAL CI CHECK E	P PUM OR LO HECK MISSI	IN PUMP ROO IP OSE/SQUEALII OF EMISSION ON PUMP DISI AMP DRAW A	NG BELTS PUMP FO CHARGE F	R LEAKIN PRESURE /	G MECH. SEA	al Shoui	LD BE 70	0+	ECK
13) 14) OPEN BUT 15) 16)	IN ZURI CHECK TON TO Check Check	N FAN FO MA MAKE Ajax Ba Bac Cl	PUMP PITS FO I ROOM - RECO AKE SURE VEN' SURE VENTUR ac Operation Co nemicals. ic Tower And	ORD THE TURI PAN RI IS WOR Of Pumps,	AMP REA IEL IS POV KING. , Fans, Wa	VERED ON (I			BLOWER RO	OM) BUMP
18)I - RECORD Mon. G.P.M	MAG. HY  MAG. H  I.  ( If No R  Check B  r New Sa  Check Pc  OPANE	TDROX IYDRO T eading ond Sy and Sy ond W VAPO	(IDE ROOM - C OXIDE FLOW M Tue. G.P.M G Contact Your ystem. Check stem. ater Level. POI RIZERS	EHECK PU ETER REA V Supervis For Leaks	MP OPER DING : Ved. G.P.N or ) , Bad Boo	Λsters Etc N	_ Thu	r. G.P.M Sure You		
			E PRESSURE. PSI_V	Ved	DCI -	Thur	рс	l Fri	DCI	(If Relow
			visor	·cu	۲31	u		- Hills		עוו הבוהאא

KT-MUSKEGON	%	MKG Plant		
		Task Instructions		
80psi, Contact Your Supervis	PSI W	ed PSI Thu	RECORD PSI r PSI Fri E IN HAND ? YES NO	
24) RECORD TUYER Mon PSI Tu Fri PSI 25) RECORD MARLE	ıe	PSI Wed	PSI Thur	PSI
	ie	PSI Wed	PSI Thur	PSI
42) t	ile Collector	PSI Wed (Range 3.0 - 10.0)	PSI Thur.	PSI
MONDAY TUESDAY				
28) Was Supervisor notified o	of all out of s	pec. readings? Yes	No	

KT-MU	ISKEGO	DN %	M	KG Plai	it.					V(2:15)	
PM Code	Job Type					9384333	#99 <b>2</b> 7620			erika.	( Medean
: 5766-D											
: poursement	I IVI	0	*	2 3 3 3 3				,			'n
			2 2	Description					, .		
W - 2nd 5	HIFT - MR -	- PLANT TOUR EMI	SSION								i
Cost Code	Equipment	Description	Location	Assigned to	Class	Freq	UOM	Deactivate	ed	•	
79	M5600	GENERAL PLANT		AA-MR	WEEKLY	1	WEEK		_		
Material Lis	t Equipment	Part Description	Bin QTY	Available Q	TY Needed	-		ter size			
. mountained, elangering	estantes o de especielo	se de la companya de		ask Instruction		·			-		!
DAILY PM	- 2nd Shift	, MACHINE REPAIR	/·-································	PF	VISED ON	• 7/77	/06 1./1	7/06	* *	* * * *	- 1
INSTRUCT		, its termite ites and		116	VIDED ON	. 41.44	700, 17	7700,			1
D N N N N		ED TASKS ON THE	LINE PRO	OVIDED. ON	FRONT C	)F PM					į
		HOURS - ENTERY					MPLET	ED			
		AREA - TOBER									1
DOCUN	MENT NON-	EMERGENCY ISSU	ES / Write	COMPLETE	D Repairs	Startin	ng With	- DONE			1
INITIAL											
		NTAC COMPRESSO		K COOLING	WATER O	PERAT	NOI &				
		UR METER READIN		(000) (1) (0	W.TES 5		<b>-</b>				İ
		NTAC COMPRESSO OUR METER READIN		COOLING	WATER OF	PERATI	S NO				
		ER COMPRESSORS		DED ON LE	/EL AID E	LTED /	CONIDIT	ION			
		OUR METERS: #			#65		CONDIT	ION			f
		FURNACE HYDRA			#O.	′—			-		1
		FURNACE TILT CY			NG.						i
		la Emission Water,									;
		ERATING CUPOLA					ADINGS				]
C	PERATING	CUPOLA NO				L	ow				;
5.55		(If No Read				9.3					1
		ween HIGH & LO					ence is a	greater th	an		
		our MAINTENANC ROOM - " At-Start					Dandin		-l		
		BEARING (MILS)		. Kecolu v	וטומנוטוו מ	amp.	Readin	gs on tog :	snee	£L.	
		BEARING (MILS)			[RANC	GE LES	S THAN	2.0 MILS	1		
		Bac's Operation Of					- 1, 1, 1, 1	2.0 WILD	1		1
	heck Bac C			•							1
		nic Tower And Tuy		ps.							í
		ion Pit Sump Pum									j
		ion Pond Water Ch									
		XIDE ROOM - CHE									ļ
-		MAG. HYDROXIDE			NG: G.P.N	И					ì
(r) Ch		Reading Contact Y			15						Ì
		ystem Over Daily. You Have Spare B									!
		id System Over Da									1
7) Che			ny. Chec	KIUI LEAKS,	Dau DOOS	ובוס בו	٠				l
		APORIZERS									1
		PUMP OPERATING	S YES	NO							1
		OT OPERATING - V			-	? YF	5 1	NO			ĺ
20) REC	CORD LINE	PRESSURE.	PSI	(If Below	45 psi, Cor	ntact Y	our Su				:
21) RE	CORD TUY	ERE PUMP PRESSU	RE		PSI , (De			)			!
	17.2701	to the time seems we have an experience to the		. 77.=27.7.27.	A-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	1.24	• • /	wi-w <del>-</del>		4.41	: : .

KT-MUSKEGON - % MKG Plant				
			2	
Task Instructions	• Constitute van de Constitute de l			
22) RECORD MARLEY TOWER PUMP PRESSURE	PSI , ( Desired PSI	)		. 1
23) RECORD WET COLLECTOR PUMP PRESSURE	PSI, (Desired PSI	)		;

KT-MU	SKEGO	)N %	M	KG Plar	it .					
PM Code	Job Type				CONTROL OF THE CONTROL OF THE CONTROL				MANAGEMENT CONTROL	**************************************
5600-010	PM	<u>.</u>							0.7	Svess
				Description						]
D - 1st 5H	IFT - MR - I	PLANT TOUR - D1	www.corestance.co	THE STATE OF THE S	الما والمادية	orest coverage	and some some	Name of the court of the state of the court		.
Cost Code	Equipment	Description	Location	Assigned to	Class	Freq	UOM	Deactivated		
79	M5600	GENERAL PLANT	пеннямістиріськими панс.	AA-MR	DAILY	1	WEEK	Ĺ		
Material List	Equipment	Part   Description	mu. Limberton	de mountaine la	TY Neede	d				
A) COMPI	ETE DDODE	PLOCKOLT /TAC		ask instruction	5	• • •				
A) COMPL	EIEFROFE	R LOCKOUT / TAG	JUTPRO	CEDUKE						
B) PERFOR	M THE FOL	LOWING TASKS								i
C) IE ANY I	NSCREPAN	ICIES ARE FOUND I	MANAEDIA	TELV CONT	ACT VOI	In clu	en vice			i I
; <b>C)</b> 11 A(4) 1	JIJCKLI AIN	ICIES AINE FOUND I	MINIEDIA	TELT CONTA	ACT TO	JK 3UF	CKVISC	JK.		
1)	CHECK EM	MISSION STACK FO	R LEAKS,	WARE OR VI	BRATIO	NS.				į
2)	CHECK EM	IISSION PUMP ROC	M FOR I	PROPER TEM	IP (MINI)	TED NA	JNTHS.	١		
	CITECIT EI	NOSIGNATONA NOC	Jul 1 Olt 1	KOI EK I EN	ii. Çavita	LIC IVIN	JIV (1115)	,		
3)	HEATERS A	AND PUMP PITS FO	R EXCES	S WATER.						!
4)	CHECK PO	ND LEVEL (NO MC	RE 15" B	ELOW BAIL)						İ
=,	CI TOUR LEA								272	
5)	CHECK KA	ISER COMP ROOM	, HEATER	, OIL AND F	LOOR, V	VATER	, FILTER	RS CLEAN A	S NECESSA	ARY.
6)	CHECK BO	ND SILO AND WAT	CH FOR	PROPER CYC	CLE		FILL		BLOW	ļ
										•
										l i
REVISIONS: NEW 09/13/	/11 RF○ #'	134								
14544 021 121	TI, NEQ#	137								

GENERAL SERVICE			Secretary of the second control of the			AND THE PARTY OF					
PM Code	Job Type										
5800-001	PM										
	-					Descriptio	on				
M - 1ST SH	HIFT - OIL -	DUST	COLLECTOR	RS 1,	2,5,6,1	2,13,17,	19 G	REASING - Y	NK1		
Cost Code	Equipment	D	escription	L	ocation	Assigne	ed to	Class	Freq	UOM	Deactivated
44	M5800	ENVIR	RONMENTA	L		Α		MONTHLY	1	MONTH	
Material List	Equipment	Part	Description	Bin	QTY A	vailable	QTY	Needed			
		· ·	when the same and sam		Tae	k Instruct	tions				
B) IF ANY C) PERFOR	DISCREPAN M THE FOL	CIES A		IMN	PROCI	ELY COI					ARINGS ON #
A) COMPL B) IF ANY C) PERFOR 1) GI DUST COL 2) GF 3) GF	DISCREPAN M THE FOL REASE THE I LECTOR (M REASE THE I	CIES A LOWIN PILLO 5801) PILLO PILLO	ARE FOUND NG TASKS DW BLOCK	IMM BEAF BEAF	PROCI MEDIAT RINGS I	ELY COI FOR THI FOR THI	E BLO	OWER AND	THE 2	AUGER BE	ARINGS ON #' TOR (M5802) ARINGS ON #!
A) COMPL B) IF ANY C) PERFOR 1) GF DUST COL 2) GF B) GF DUST COL 4) GF	DISCREPAN M THE FOL REASE THE : LECTOR (M REASE THE : REASE THE : LECTOR (M	CIES A LOWIN 2 PILLO 5801) 2 PILLO 5805) 2 PILLO	ARE FOUND NG TASKS DW BLOCK DW BLOCK DW BLOCK	IMM BEAF BEAF BEAF	PROCI MEDIAT RINGS I RINGS I	FOR THI FOR THI FOR THI	E BLO E BLO E BLO	OWER AND OWER ON #	THE 2 F2 DUS THE 2	AUGER BE ST COLLEC AUGER BE	TOR (M5802)
A) COMPL B) IF ANY C) PERFOR 1) GF DUST COL 2) GF DUST COL 4) GF DUST COL 5) GF DUST COL 5) GF	DISCREPANEM THE FOL REASE THE MEASE	CIES A LOWIR 2 PILLO 5801) 2 PILLO 5805) 2 PILLO 5806) 2 PILLO 5812)	ARE FOUND NG TASKS DW BLOCK DW BLOCK DW BLOCK DW BLOCK	IMM BEAF BEAF BEAF BEAF	PROCI MEDIAT RINGS I RINGS I RINGS I	ELY COI FOR THI FOR THI FOR THI	E BLO E BLO E BLO E BLO	OWER AND OWER AND OWER AND OWER AND	THE 2 F2 DUSTHE 2 THE 2 THE 2	AUGER BE ST COLLECT AUGER BE AUGER BE AUGER BE	TOR (M5802) ARINGS ON #

	РМ											
					Description	on						
04	SHIFT - M	W - # 1	9 DUST CO	LLECTOR	MECHAN	ICAL CHEC	K - EV	'EN				e.
Cost Code	Equipment		D	escription	HETTING TELESCOPHIC PROGRESSION OF THE SHARE CLASS ASSESSMENT OF T	Lo	cation	Assigned to	Class	Freq	UOM	Deactivated
79	M5819	# 19 SA 90,000	ND SYSTEN	1 DUST C	OLLECTO	R		A	BIWEEKLY	2	WEEK	
Material Lis	t Equipme	nt Part	Description	Bin QT	/ Available	QTY Neede	d				Anne este con est a mercur (some o des	
				Т	ask Instruct	tions						
5819-001											1	
-	_		AST BELTS (				Т СНА	IN FOR TE	NSION			
<u> </u>	_ CHECK A	OGER 3	HEAVES AIN	D 3FKOC	LKET FOR	VVEAR						
21	_ CHECK B	LOWER	BELTS FOR	TENSION	N AND WE	AR						
3)			AND MOTO	R SHEAV	ES FOR W	/EAR						
	CHECK BI	.OWER	AND MOTO								1	
4)			AND LOUVE		S (SEALS)	FOR WEAR						
4)					S (SEALS)	FOR WEAR						

PM Code	Job Type											
5819-002	-											
					Descript	ion						
W - 1ST S	HIFT - MW	- # 19 D	UST COLL	ECTC	OR MECH. CH	ECK						
Cost Code	Equipment			Descr	ription		Location	Assigned to	Class	Freq	UOM	Deactivated
79	M5819	# 19 SA 90,000 (		M DL	JST COLLECT	OR		Α	WEEKLY	1	WEEK	
Material Lis	t Equipmen	t Part	Description	Bin	QTY Available	QTY Need	ed				1	-
		AND THE PERSON NAMED IN	The state of the s		Task Instru	ctions						
)	CHILCH	KIME KE	TS ON EAG	CT EN	AD OF VICE	)						
) ) ) ) )	_ CHECK C _ CHECK B _ CHECK A _ CHECK B _ CHECK B	EARING HAIN OI EARING IR LOCK ELTS ON EARINGS	ON EST EN N WEST EN ON WEST I S (TWO) FO BLOWER I S TEMP ON	ID OF D OF END OR N FOR I BLO		NOISE OR TIGHTNES RATION MAGE OR	S NOISE (	BEVE0850)				
) ) ) ) )	_ CHECK C _ CHECK B _ CHECK A _ CHECK B _ CHECK B _ CHECK S	EARING HAIN ON EARING IR LOCK ELTS ON EARINGS EALS FRO	ON EST EN N WEST EN ON WEST I S (TWO) FO BLOWER I S TEMP ON	ID OF D OF END OR N FOR I BLO	F AUGER FOR F AUGER FOR OF AUGER IOISE OR VIBI LOOSE OR DA	NOISE OR TIGHTNES RATION MAGE OR	S NOISE (	BEVE0850)				
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PM Cod		Job Type											
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5819-00	)/	AUT				~~~							
						Description							
M - BOE	7		- # 19	DUST COLL	ECTO	OR PIPE BUILD	UP R	EVIEW			,		
Cost Code	Eq	uipment		Des	script	tion		Location	Assigned to	Class	Freq	UOM	Deactivated
79	M		# 19 SA 90,000		I DU	ST COLLECTO	R		A	MONTHLY	1	MONTH	
Material L	ist	Equipme	t Part	Description	Bin	QTY Available	QTY	Needed		h	/		
						Task Instruc	tions						
		LETE PRO	PER LO	CKOUT / TA	\GO!	UT PROCEDUF	RE						
A) CO	MPL					UT PROCEDUF		ACT YOU	r Supervi	SOR.			
A) COI B) IF A	MPL .NY	DISCREP	ANCIES		D IM			ACT YOU	R SUPERVI	SOR.			
A) COI B) IF A C) PER	MPL NY FOF	DISCREP	ANCIES OLLOW	ARE FOUN	D IM			ACT YOU	R SUPERVI	SOR.			
A) COI B) IF A C) PER 1) (	MPL NY FOR	DISCREP RM THE F N ACCES	ANCIES OLLOW	ARE FOUN	D IM	MEDIATELY C		ACT YOU	R SUPERVI	SOR.			
B) IF A C) PER 1) ( 2) (	MPI NY FOF	DISCREP RM THE F N ACCES CK FOR I	ANCIES OLLOW 5 DOOF MATERI	ARE FOUN /ING TASKS RS ON #19 I	D IN	IMEDIATELY C		ACT YOU	R SUPERVI	SOR.			