FORM EQP 5111 ATTACHMENT A5 **INSPECTION REQUIREMENTS**

This document is an attachment to the Gage Products Company's (Gage) 2024 RCRA permit renewal application Form EQP 5111. The administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), being R 299.9504, R 299.9508, R 299.9605 and Title 40 of the Code of Federal Regulations (CFR) §§264.15 and 270.14(b)(5), establish requirements for inspections at hazardous waste management facilities. All references to 40 CFR citations specified herein are adopted by reference in R 299.11003

This license application attachment addresses requirements for inspections at Gage's Limited Storage Facility (Gage LSF) located in Ferndale, Michigan.



Applicant for Operating License for Existing Facility

Applicant for Operating License for New, Altered, Enlarged, or Expanded Facility

Sections listed in the table of contents below that are not applicable to the Gage LSF permit renewal are denoted with a strikethrough and the corresponding section has been deleted from the text. This attachment is organized as follows:

INTRODUCTION

- A5.A WRITTEN SCHEDULE
 - Types of Problems A5.A.1
 - A5.A.1(i) Tank Inspection
 - A5.A.1(ii) Container Inspection
 - A5.A.2 Frequency of Inspection
- A5.B REMEDY SCHEDULE
- A5.C INSPECTION LOG OR SUMMARY

Table A5.C.1 Container Storage Area Inspection Log Example

LIST OF TABLES

- Table A5.A.1 2 HW DRUM STORAGE AREAS INSPECTION SCHEDULE
- Table A5.A.1 3 HW UNLOADING AREA INSPECTION SCHEDULE

LIST OF APPENDICES

- Log sheet, Inspection of Safety, Emergency, and Security Equipment Appendix A5-1
- Weekly Limited Storage Facility Inspection Checklists Appendix A5-2
- Appendix A5-3 Drum Log Sheet
- Appendix A5-4 Tank Reading Log Sheet
- **Drum Storage Configuration** Appendix A5-5
- Appendix A5-6 Inspection Log of Hazardous Waste Pumps

INTRODUCTION

Gage LSF conducts regular inspections of the LSF, including its associated tank farm and all ancillary equipment. The facility's structures and equipment, including monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment, are inspected routinely by plant personnel to identify malfunctions, deterioration, operator errors, and any other situation that may lead to the release of hazardous materials or be a threat to human health or the environment.

A5.A WRITTEN SCHEDULE

[R 299.9605 and 40 CFR §264.15(b)(1)]

Several written work instructions and associated forms have been developed to facilitate facility inspections. The work instructions specify the areas to be inspected, the frequency of each type of inspection, and the type of problems for which to look. The inspector, when identifying a problem, is required to specify the type of problem identified and the remedial action required and to notify management in order to implement remedial action. Completed inspection report forms and the schedule of inspections are kept at the facility. The written schedule, types of problems for which personnel look during the inspection in each area of the facility are discussed in the following sections and outlined in Tables A5.A.1-1, A5.A.1-2, and A5.A.1-3. Copies of the most current inspection forms can be found in this attachments Appendices (Appendix A5-1,2,3,4,5,6).

A5.A.1 Types of Problems

[R 299.9605 and 40 CFR §264.15(b)(3)]

A5.A.1(i) Tank Inspection

The Gage LSF hazardous-waste storage tanks are inspected daily and an inspection log is maintained. The shell and seams of each tank are visually inspected for any signs of erosion, corrosion, or leaks. The tank containment structures, such as the dike walls, as well as floors and spill transfer equipment, are inspected daily for erosion, cracks, leaks, or malfunctions. Visual inspections of the tank bottoms are made via manways in the side of the skirts. Pumps, piping, hose, valves, and fittings are also inspected for any signs of corrosion, leaks, malfunctions, or evidence of operator errors. The area immediately surrounding the tanks is inspected weekly to detect signs of leakage. A roof covers the tank storage area. Therefore, minimal precipitation accumulates in the containment area. See Table A5.A.1-1 for the type of problem inspection schedule.

Other equipment associated with the storage tanks at the facility that is routinely inspected includes: electrical equipment (circuit breakers and control panels), material handling equipment (pumps, hoses, connectors, piping, joints, and valves), monitoring equipment (gauges, overfill alarms), security equipment (fencing, gates and lighting), and safety and emergency equipment (eye wash/showers, water supply valves, alarms, and fire extinguishers).

A5.A.1(ii) Container Inspection

The hazardous-waste container storage and unloading areas are checked by an operator or assistant operator at the frequency specified in the inspection schedule. The number, condition, labeling, and spacing of each drum in the storage bays are noted. Each drum is also checked for corrosion, damage, excessive wear, and leakage. The container storage and unloading areas are inspected daily to determine if any releases have occurred. Potential types of problems that may be encountered in the container area are provided on the inspection form to help ensure a thorough inspection. See Table A5.A.1-2 for the type of problem inspection schedule.

A5.A.2 Frequency of Inspection

[R 299.9605 and 40 CFR §§264.15(b)(4), 264.174, 264.193, 264.195, 264.226, 264.254, 264.278, 264.303, 264.347, 264.602, 264.1033, 264.1052, 264.1053, 264.1058, and 264.1083 through 264.1089, where applicable]

Inspection frequency has been provided in Tables A5.A.1-1, A5.A.1-2, and A5.A.1-3 below.

Table A5.A.1 1 HW TANK STORAGE AREAS INSPECTION SCHEDULE

HAZARDOUS-WASTE STOP	RAGE TANKS INSPECTION SCI	HEDULE LIMITED STORAGE FACILITY
Equipment	Type of Problem	Frequency
Security	Damage Malfunction No access	Weekly
Safety/emergency	Malfunction Out of place Reload	Weekly
Tank shells	Erosion or corrosion Cracks Leaks Operator error	Daily
Tank Squirt Protection	Erosion or corrosion Cracks Leaks	Weekly
Tank overfill control system	Inoperable Malfunctioning	Daily
Material transfer	Corrosion Leaks Malfunction Evidence of spills	Daily
Material handling	Malfunction Damage Operator error Evidence of spills	Daily
Electrical	Malfunction Damage Operator error	Daily
Containment structure	Erosion Cracks Leaks	Daily
Spill transfer	Malfunction Damage Operator error	Daily
Monitoring	Malfunction Damage Operator error	Daily
Security	Damage	Weekly

HAZARDOUS-WASTE STORAGE TANKS INSPECTION SCHEDULE LIMITED STORAGE FACILITY					
Equipment	Type of Problem	Frequency			
	Malfunction				
Safety/emergency	No access Malfunction Out of place Reload	Weekly			

Table A5.A.1 2 HW DRUM STORAGE AREAS INSPECTION SCHEDULE

HAZARDOUS-WASTE	HAZARDOUS-WASTE DRUM STORAGE INSPECTION SCHEDULE LIMITED STORAGE FACILITY					
Equipment	Type of Problem	Frequency				
Containers	Corrosion Leaks Condition and evidence of abuse Quantity Labeling	Weekly				
Containment Area	Evidence of spills or leaks Liquid in the containment area Cracks or other deterioration Aisle spacing, set-back distances Stacking height Number of containers Sump for any accumulations	Weekly				
Fire Extinguishers	Operability and previous usage	Weekly				
Other Safety Equipment	Not in proper location	Weekly				
Warning Signs	Standing and legible	Weekly				
Container	Evidence of spills or leaks	Daily				
Unloading/Storage	Cracks or other deterioration	Weekly				

HAZARDOUS-WASTE UNLOADING AREA INSPECTION SCHEDULE LIMITED STORAGE FACILITY						
Equipment	Type of Problem	Frequency				
Material Transfer Pumps	Corrosion Leaks Malfunction Evidence of spills	Daily				
Material Handling	Malfunction Damage Operator error Evidence of spills	Daily				
Electrical	Malfunction Damage Operator error	Daily				
Containment Structure	Erosion Cracks	Daily				
Floor and Sumps	Leaks Malfunction Damage	Daily				
Spill Transfer	Operator error Malfunction	Daily				
Monitoring	Damage Operator error	Daily				
Container Unloading Area	Damage Spills Operator error	Daily				
Security	Malfunction No access	Weekly				
Safety/Emergency	Malfunction Out of place Replenish	Weekly				

Table A5.A.1 3 HW UNLOADING AREA INSPECTION SCHEDULE

A5.B REMEDY SCHEDULE

[R 299.9605 and 40 CFR §264.15(c)]

If inspections reveal that non-emergency maintenance is needed, a maintenance request will be submitted, and it will be completed as soon as possible to preclude further damage and reduce the need for emergency repairs. If a hazard is imminent or has already occurred, as revealed during the course of an inspection or at any time between inspections, remedial action will be implemented immediately. If indicated by the situation, Gage LSF personnel will notify the appropriate authorities as described in the Contingency Plan (Attachment A7). In the event of an emergency involving the release of hazardous constituents to the environment, response efforts will be directed towards containing the hazard, removing it, and decontaminating the affected area according to the procedures outlined in the Contingency Plan.

During an inspection of the hazardous-waste storage tanks and container storage facility, if a tank or container holding hazardous wastes is found to be in poor condition (such as apparent structural defects or evident corrosion and leakage), the hazardous waste is transferred to another tank or container in good condition. In the case of a drum, the drum contents are transferred to, and contained within, another similar drum or suitable salvage or recovery drum.

A5.C INSPECTION LOG OR SUMMARY

[R 299.9605 and 40 CFR §264.15(d)]

The inspection logs for the hazardous-waste drum storage area, the associated tank farm, and ancillary equipment are kept at the facility per related work instructions. As required, records of inspections are kept for at least three years from the date of inspection. Record keeping is discussed in Attachment A1 (Part A).



Appendices



Log sheet, Inspection of Safety, Emergency, and Security Equipment

APPENDIX A5-1 FIRE SAFETY AND SPILL RESPONSE EQUIPMENT INSPECTION CHECKLIST LIMITED STORAGE FACILITY (LSF) AREA

Grounding and Bonding Equipment (Inspect Once a Month)

Date:	
INSPECTOR INITIALS:	
Grounding Clamps = 6	
#91 LSF Unloading pump east	
#92 LSF Unloading pump west	
#93 LSF transfer/feed pump east	
#94 LSF transfer/feed pump west	
Shipping dock	
J-Max Tote	
Grounding Reels (ceiling) = 3	
Bay 1 (west)	
Bay 2 (center)	
Bay 3 (east)	
Clamps intact?	
Springs adequate?	
Points sharp, clean?	
Points tight?	
Cables intact, not frayed?	
Cables attached to a proper grounding source?	

Storage Tanks: See EHS 039

Fire Extinguishers (Inspect Weekly) = 6

Date:			
INSPECTOR INITIALS:			
Tanker Mezzanine - West			
Tanker Mezzanine - East			
South Man Door			
Fire Suppression System Closet (exterior)			
Northwest Side Door (near to boiler house)			
East Door (next to eyewash/shower unit)			
Extinguishers present, mounted?			
Signs to identify extinguisher locations?			
Extinguishers charged?			
Extinguishers accessible?			
Last date charged?			

Safety and Spill Response Equipment (Inspect Weekly)

Date:			
INSPECTOR INITIALS:			
EYEWASH/SAFETY SHOWER			
Eyewash and safety shower in working order?			
Equipment accessible, free of clutter, not blocked?			
SPILL STATION			
Spill (Over-pack) drum filled with unused pads, pillows and socks?			
20-gallon container filled with Nitrile Gloves, Caution Tape, Tyvek Suits, and Disposable Boots?			

EHS 026; Revision 6; Revision Date 25 January 13

related to: EHS WI 009

Gage Products Company, October 2024 Inspection Requirements, Revision: 04 MID 005 338 801

Polyethylene shovel, mop and wringer, squeegee & soda ash, located at station?			
FIRE BLANKET = 1			
Along West wall			

Housekeeping and First Aid (Inspect Weekly)

Date:			
INSPECTOR INITIALS:			
Clearance maintained around Electrical Panels			
Combustible Materials (debris) removed?			
First Aid Kit – South Wall			
Kit Filled as Per List on Wall?			

Communications (Inspect Weekly)

Date:			
INSPECTOR INITIALS:			
Remote Telephones			
Telephone in LSF is operational?			

Exit Doors, Exits, Fencing, and Lighting (Inspect Weekly)

Date:			
INSPECTOR INITIALS:			
LSF Structure			
Doors/ exits are unobstructed and operational?			
Adequate lighting?			
Automatic gate along Sillman			
Gate is unobstructed and operational?			
Fence along Sillman			
Fence is in good condition/secure?			

Electrical (Inspect Weekly)

Date:			
INSPECTOR INITIALS:			
Outlet and junction boxes in place?			
No exposed wiring or extension cords?			

Fire Hydrant and Signs (Inspect Weekly)

Date:			
INSPECTOR INITIALS:			
Fire Hydrant along Sillman			
Hydrant is accessible/unobstructed?			
No evidence of damage?			
Signs			
Yellow-colored Unauthorized Entry Signs posted and			
visible/readable?			
Flammable/No Smoking sign posted and			
visible/readable on automatic gate?			

Viking	Drv]	Pipe S	Sprinkler	System	Inspection	(Inspect	Weekly,]	Monthly)
				~ _ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		(

Date:			
INSPECTOR INITIALS:			
WEEKLY			
The Pressure Valve Readings (psi) – Zone 1 (Standpipe 1):			
Supply Static Pressure			
Discharge Static Pressure			
The Pressure Valve Readings (psi) – Zone 2 (Standpipe 2):			
Supply Static Pressure			
Discharge Static Pressure			
MONTHLY			
The Water Supply Valve is Locked Open?			
Main Drain Valves are Locked Closed?			
Pressure Valves are Locked Open?		 	
QUARTERLY			
Alarm Devices			
Free from Physical Damage?			

Refer to Work Instruction: FSG-WI-011 Sprinkler System Procedures - Inspection and Testing NOTE: If static pressure is less than 30 psi, check for leaks, and write out a "priority" maintenance request.

Describe corrective measures needed, contact, and date completed, below:



Weekly Limited Storage Facility Inspection Checklists

APPENDIX A5-2 WEEKLY LIMITED STORAGE FACILITY (LSF) INSPECTION



Products Company

WEEKLY INSPECTIONS

Inspector Name:			
Date & Time:			
Liquid accumulation: Tanker Containment			
Drum Storage Area			
Tank Storage Farm			
Condition of grating covering containment:			
Spill Control/First Aid/Eyewash are accessible:			
Structural integrity of building:			
Evidence of leaking containers?			
Pavement Integrity:			
Condition of Security			
Equipment (fences, gates, lighting)			
Evidence of operating equipment malfunction?			
Gages and overfill alarms are powered?			
Any incident of high level alarm during the past week?			

List ALL Discrepancies:

List ALL Actions Taken:



Drum Log Sheet

Gage Products Company, October 2024 Inspection Requirements, Revision: 04 MID 005 338 801

APPENDIX A5-3 LSF DRUM LOG SHEET

Date Stored	Placed in LSF by: (Print Name)	Onsite o Wa (Chec	or Offsite ste? k One)	RC- /BP- Number	Manifest Number (If Offsite Waste)	Waste Code(s) Example- D001, D002, D035, F003	Volume	Location	How will th mana (Chec	nis drum be aged? k One)	Date Managed	Managed by: (Print Name)
		Onsite	Offsite						Onsite- Recycle or Pump	Offsite - Send offsite for dis- posal		



Tank Reading Log Sheet

APPENDIX A5-4 TANK READINGS

Gage Products Company, October 2024 Inspection Requirements, Revision: 04 MID 005 338 801

Date: Tim	e:	Taken By:			IA	ANK I	KEAD	NG	5 inspecti	on Requi	MID	005.3	38 801
VOLUME IN STILL					0							0000	00 00 1
TANKER BEHIND 82	1								V indicator bottom	Waste Tank Cap	bacity:		56,627
									draining tanks	Waste Tanks Ga	illons Full:		
										Waste Tanks %	Full:		0.0%
TANKERS ON PAD										1			
TW SLOTS	TANK	WAGON CARRIER AN	ID NUMBER:	<u>cu</u>	STOMER	NAME:			VOLUME (GALLONS):		STATU	<u>S:</u>	
AW 1#										PROCESSING		TING	NEITHER
LSF 1#										PROCESSING	CIRCULA	TING	NEITHER
LSF#2											C CIDCU A	The	
155.2#										L PROCESSING		1143	
L3F 3#										PROCESSING	CIRCULA	TING	□ NEITHER
SOL 1#										PROCESSING		TING	NEITHER
SOL 2#												TING	
SOL 3#													C REFILM
										PROCESSING	CIRCULA	TING	NEITHER
TW CARRIER AND N		BIN	ITE		7					BIN	r		
	<u>empen</u>	625STA			-					625STA	<u>-</u>		-
		625STA			-					625STA			
		625STA			-					625STA			
		625STA			1								
		625STA			1								
		625STA											
		625STA											
		625STA											
RAIL CAR INFORMA	TION												
TRACK DESIGNATION	RA	IL CAR CARRIER AND	NUMBER:	<u>cu</u>	STOMER	NAME:		!	VOLUME (GALLONS):		<u>STATU</u>	<u>S:</u>	
EAST #1 (HD30-1)												UNLOADING	
EAST #2 (HD30-2)								_					
EAST #3 (HD30-3)													
EAST #4 (HD30-4)													
WEST #1 (FD22-1)								_					
WEST #2 (FD22-2)								_					
REMAN TEE PROCES	S DATA											oncontratio	
UPPER SEAL LUBE LEVE	EL												
UPPER SEAL LUBE FLO	w												
LOWER SEAL LUBE LEV	ΈL												
LOWER SEAL LUBE FLO	w												
INSPECTIONS - LSF	AND WAS	TE STORAGE AREAS											
Are there visible cracks or dete	erioration to an	y containment areas? (loading	g/unloading areas, dike,	drum storage area)			□ YE	s 🗆 NO		IF YES, ACTION TAKEN:			
Is all electrical equipment work	king properly?	Including tank overfill control	5?				□ YE	s 🗆 NO		IF YES, WRITE DATE OF	LAST OVERFILL TEST IN	LOWER LEFT	
DATE OF	LAST OVERFILL	TEST: 5/4/21		T-73									
Is the waste tank system in goo	od condition?	Tanks (shell, seams, bottoms)	, piping, waste pumps, a	nd fittings?			🗆 YE	s 🗆 NO	1	IF NO, ACTION TAKEN:			
Are any of the tanks, fittings, o	r containers le	aking?					□ YE	s 🗆 NO	1	IF YES, ACTION TAKEN:			
Is material accumulated in any	of the sumps?						□ YE	s 🗆 NO	1	IF YES, ACTION TAKEN:			
Gage Hazardous Waste contair	ers have vello	w waste labels marked with V	Vaste number(s) and Da	tos?				~ [] NO	1				
	rers nave yello	w waste labels marked with V	vaste number(s) and Da					5 U NO		IF NU, ACTION TAKEN:			
Do hazardous waste container	s from offsite h	nave completed green waste l	abels?				□ N/A □ YE	s 🗆 NO		IF NO, ACTION TAKEN:			
Are hazardous waste container	rs from offsite	marked with manifest numbe	r(s)?				□ N/A □ YE	s 🗆 NO	1	IF NO, ACTION TAKEN:			
Have any containers exceeded	the 90 day sto	rage date?					□ N/A □ YE	s 🗌 NO		IF YES, ACTION TAKEN:			
Are there any visible Dents, Ru	ist, or apparent	t Structural Damage to contain	ners?				□ N/A □ YE	s 🗆 NO	1	IF YES, ACTION TAKEN:			
Are all containers closed?							□ N/A □ YE	s 🗆 NO	1	IF NO. ACTION TAKEN:			
Number of Gage-Generat	ed Hazardou	us Waste Drums in LSF											
Material Description		Drum Count		Drum Volume]		Materi	al Description	Drum Count	Dr	um Volun	1 <u>e</u>
BP0001						-		BAGS	S AND RAGS				
WASTE OIL						1		BAS	SE WASTE				
SOLVENT WASTE						1		AC	ID WASTE				
WATER WASTE								SOL					
				Number of off-site	generated	hazardous	waste drums	in LSF:					
Material Descrip	otion	APPROVAL #	<u>sc</u>	OURCE:		MANIFE	ST #		DRUM COUNT	<u>D</u>	RUM VOLUME	(GALLON	S)
					-								
								_					
1 P													
is any liquid present	t in Rail Sp	our Spill Tanks ?			1		IF YES, TAN	IKS MU	IST BE PUMPED OUT.				

Inspectors Name:



Drum Storage Configuration



APPENDIX A5-5 DRUM STORAGE CONFIGURATION



50 Drums maximum in LSF at one time, also of the 50 no more than 12 drums of D002 material at one time.

Form Number: RMN 061 Revision : #3; Rev Date: 12 May 00



Inspection Log of Hazardous Waste Pumps

APPENDIX A5-6 HW PUMP 91 THRU 94 INSPECTIONS

	MACHINE NAME						PL	JM	<mark>> 9</mark>	1						M/C	C C	DDE	:															If	0000	4:4:	on !		/ n			. m	air	tona										
Р	If the condition is	s: '	οк	", n	nark	(W	ith			"	'NC) ", I	na	rk ۱	with	n ar	ר א	("	NA	." m	ark	wi	th a	n	-]"	cont	anno		s <u>^</u>	<u>v</u> pi	repa	are	a m	am	tena	ince	e re	ques	51						
MP T(NIGHTS - OPERATORS INITIAL					Ι													Γ					Γ		Τ					Ι			Γ																Τ				
F RAI	DAYS - OPERATORS INITIAL					T					Τ								Γ		Τ			Γ		Τ			Γ		Τ			Γ							Γ		T							T				
LS	AFTS - OPERATORS INITIAL																									T																												
		Ī	1	T	2	Ť	3	;	Γ	4		į	5		6			7	Ē	8			9	Ī	10	Ť	1	1	Γ	12	Ť	1	3		14		15	5	1	6	T	17	Ť	18	3	,	19		20	T	21		2	22
	IIEM	Ν	D	N	D	AI	NC	A	Ν	D	Α	N) A	N	D	Α	N	D A	N	D	Α	N		N	D	AI	N C	DA	N	D	Α	N	DA	N	D	A	ND	Α	N	DA	N	D	A	ND	A	Ν	DA	Ν	D	A	N D	Α	NI	<u>י</u> ןכ
	Inspect for leaks (pumps & connectors)																																																					
۲.	Unusual noises																																	ľ																				T
DAI	Oil level in gear box																																																					
	Any Steam Leaks in the Area																																																					
	Any Air Leaks in the Area																																																					
	MAINT CONFIRM'N																		Γ					Γ							T																							
	MGT CONTROL																																																					

TPM - EQUIPMENT CHECKSHEET (OPERATOR)

MONTH OF: Jul-24

Gage Products Company, October 2024 Inspection Requirements, Revision: 04 MID 005 338 801



MONTH OF:

Jul-24

TPM - EQUIPMENT CHECKSHEET (OPERATOR)

		HINF NAME PUMP 92																							-					LEGEN		<u>··</u> ('	LAC	
Ν	IACHINE NAME			F	PUMP	92			M/	C CODE	:						If condi	tion is	X prepa	are a ma	intenanc	e reques	st								ND	A	AG	fuels solution
b I	the condition is:	: "OK	(", mar	k wit	:h √	"N	l G ", m	nark	with a	n X	<u>"</u> N	I A " mark	with a	n -					_ 1 1											L	SF			
MPT	IGHTS - OPERATORS IITIAL																																	
F RA	AYS - OPERATORS IITIAL																																	
S A	FTS - OPERATORS IITIAL																																	
ŀ		1	2		3	А	5		6	7	8		10	11	12	13	14	15	1 16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	ITEM	ND		AN						NDA														N D A	N D A							NDA		
11 8	spect for leaks (pumps connectors)																																	
	nusual noises																																	
	il level in gear box																																	
A A	ny Steam Leaks in the rea																																	
A A	ny Air Leaks in the rea																																	
Ν	AINT CONFIRM'N							Т																										
ŀ			+															<u> </u>															├──	+
Ν	GT CONTROL																																	

LEGEND	

Г





MONTH OF:

Jul-24

TPM - EQUIPMENT CHECKSHEET (OPERATOR)

							PI	JMI	P 9	3					M/	CC		-																																		
٩	If the condition is	. "	OK	'" r	nar	k ۱	/ith				NG	" m	ark	. wit	h a	n 3	X			<u>ΙΔ'</u>	' m -	ark	with	n an								lf c	ondi	itior	is	<u>X</u> k	orep	are	a m	nain	ntena	ance	e re	que	st							
NP TO	NIGHTS - OPERATORS	<u> </u>			IIai		/1111	<u> </u>			Ī	, 11			11 a		<u>^</u>	Г		Î	IIIC		vviti	1 an		-	Τ		Τ					Γ				Τ									Ι					1
F RAN	DAYS - OPERATORS INITIAL										T		1					L		T							T		1					Γ				T									T					
LS	AFTS - OPERATORS INITIAL																										T																									-
	ITEM		1	T	2		3	3		4	T	5	Τ	6			7	Ē	8	T	9		1	0		11	Т	12	Τ	1	3		14	Γ	15	Τ	16	Τ	17		18	3		19	Ī	20	T	21		2	22	1
		Ν	D	A N	D	Α	NC) A	Ν	D	AN	I D	А	ND		Ν	DA	N	D	AI	N D	Α	N	DA	Ν	D	۱N	I D	Α	NC	DA	N	DA	N	DA	N	D	A N	D	Α	ND		Ν	D	A N	D	A	۷D	A	NI	D A	J
	Inspect for leaks (pump, pressure pot, connectors, seals, etc.)																																																			
	Unusual noises																																																			
AILY	Oil Level in Double Mechanical Seal Pressure Pot																																																			
	Oil level in gear box																	L																L																		
	Any Steam Leaks in the Area																																																			
	Any Air Leaks in the Area																																																			
	MAINT CONFIRM'N										T							Ī		Ī							Ī		٦					Γ													T					
	MGT CONTROL																																																			



MONTH OF:

Jul-24

TPM - EQUIPMENT CHECKSHEET (OPERATOR)

	MACHINE NAME						PL	JMI	P 9	4					M/	C C	OD	E:																																٦		
P	If the condition is	: "	oĸ	", r	nar	k w	ith			1"	NG	i", m	ark	k wit	th a	n)	x		"	NA	" m	ark	wit	th a	n	-						H If	cor	ndit	ion	is <u>)</u>	<u>(</u> p	ера	re a	mai	inter	nano	ce r	equ	est							
MP TO	NIGHTS - OPERATORS INITIAL			Í								,													Ι							T											Ι		Τ							
F RAI	DAYS - OPERATORS INITIAL					1																			T							T											T		1							
LS	AFTS - OPERATORS INITIAL																																																			
	ITEM		1	Ī	2		3	3		4		5		6	;		7		8		9)		10		11		1	2		13		14		1	5	1	6	1	7	ĺ	18		19		2	0		21		22	
		Ν	DA	N	D	Α) A	N	D	AI	N D	Α	NC	A	Ν	D	A N	D	Α	NC) A	Ν	DA	A N	I D	Α	N	DA	Ν	DA	A N	D	Α	N) A	N		N	DA	N	DA	A N	I D	A	NC	D A	Ν	DA	۱N	D	Α
	Inspect for leaks (pump, pressure pot, connectors, seals, etc.)																																																			
	Unusual noises																																																		Ш	
AILY	Oil Level in Double Mechanical Seal Pressure Pot																																																			
	Oil level in gear box																															Τ													I							
	Any Steam Leaks in the Area																																															Π				
	Any Air Leaks in the Area																																																			
	MAINT CONFIRM'N			Ī							T		Ī					Ī		Τ					Ī		Τ					T											Ī		Ī					Γ		
	MGT CONTROL																																																			

