

## TRAP SURVEY DATA LOG

Performed by Apex Industrial Solutions Inc.

DATE	11/29/21		CUSTOME	R	North Star P	rocessing	
TECH NAME	Mike Marketon   Keith Svrce	ek	LOCATION	I	Litchfield, M	N	
MONTHS	ı	DRI	P			TRACER	
YEAR	(	COI	L			PROCESS	

	I	1	I							<del> </del>								
Tag#	1	Location	CIP Room	Application	Туре	MFR	Armstrong	PMO	125	Superheat?		Insulation?		Р	iping T	Steam	Follow Up Date?	11/29/23
				-	Float &			Conn Size	1.5"	Shutdown Required?		Transmitter		Direction	Horizonta	Supply		
Outside?		Elevation	9 Ft	Process	Thermostatic	Model	125-A6	Line In		Pressure In	90			_		Discharge	Recommendation	
						Conn		Line Out		Pressure Out		Check Valve?	Yes	Strainer	Yes	Condition		
Route No.		Steam Loss		Months / Year		Туре	NPT	Condensate		Conductive		Upstream ISO Valve?	Yes	Valve In				
Steam Cost		Annual Cost		Frequency		Check		Lift Condensate						_		ОК	Comments	
Steam cost		Aimat Cost		Installed Date		Valve?		Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out				
		1	I		_	1				1								
Tag#	2	Location	CIP Room	Application	Туре	MFR	Armstrong	PMO	125	Superheat?		Insulation?		Р	iping I	Steam	Follow Up Date?	11/29/23
				_	Float &			Conn Size	1.25"	Shutdown Required?		Transmitter		Direction	   Horizonta	Supply	_	
Outside?		Elevation	9 Ft	Process	Thermostatic	Model	125-A5	Line In		Pressure In	90	_				Discharge	Recommendation	
						Conn		Line Out		Pressure Out	30	Check Valve?	Yes	Strainer	Yes	Condition		
Route No.		Steam Loss		Months / Year		Туре	NPT	Condensate		Conductive		Upstream ISO Valve?	Yes	Valve In				
Steam Cost		Annual Cost		Frequency		Check		Lift		Conductive			103			OK	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out				
	I		I															
Tag#	3	Location	Hallway by CIP Room/Main Header	Application	Туре	MFR	Bestobell	PMO	750	Superheat?		Insulation?		Р	iping	Steam	Follow Up Date?	11/29/23
_			Room/Main ricader	_				Conn Size	0.75"	Shutdown Required?		Transmitter		Direction	   Horizonta	Supply		
Outside?		Elevation	10 Ft	Drip	Thermostatic	Model	M16	Line In		Pressure In	125	Transmitter			1101120116	Discharge	Recommendation	
				-		Conn		Line Out		Pressure Out	123	Check Valve?	Yes	Strainer	Yes	Condition		
Route No.		Steam Loss		Months / Year		Туре	NPT	Condensate				Upstream ISO Valve?	Yes	Valve In				
Character Carat		A		Frequency		Check		Lift		Conductive				Valve III		OK	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out				
			1			1	I											
Tag#	4	Location	Wet Process Plate	Application	Туре	MFR	Armstrong	PMO	125	Superheat?		Insulation?		Р	iping	Steam	Follow Up Date?	11/29/23
			Heat Exchanger	_			3	Conn Size	1.5"	Shutdown Required?		Transmitter		Direction	   Horizonta	Supply		
Outside?		Elevation	5 Ft	Process	Float & Thermostatic	Model	125-A6	Line In			00	Transmitter		- Direction	1101120110	Discharge		
				_	Thermostatic	Conn		Line Out		Pressure In Pressure Out	90	Check Valve?	Yes	Strainer	Yes	Condition		
Route No.		Steam Loss		Months / Year	•	Conn Type	NPT	Condensate				Upstream ISO Valve?	Yes	Valve In				
				Frequency		Check		Lift		Conductive			103	valve III		ОК	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	No	Valve Out				
Tag#	5	Location	Blent Tank 1	Application	Туре	MFR	Hoffman	PMO	150	Superheat?		Insulation?		Р	iping	Steam	Follow Up Date?	11/29/23
				-	Invested			Conn Size	0.75"	Shutdown Required?		Transmitter		Direction	Horizonta	Supply		
Outside?		Elevation	3 Ft	Process	Inverted Bucket	Model	B0150A-3	Line In			150	Transmitter		- Direction	TIOTIZOTILA	Discharge	Recommendation	
				-	Ducket	6-		Line Out		Pressure In	130	Check Valve?	Yes	Strainer?	Yes	Condition		
Route No.		Steam Loss		Months / Year	•	Conn Type	NPT			Pressure Out		Upstream ISO Valve?	Yes	┪		$\dashv$		
				Frequency		<del></del>				Conductive		opstream 150 valve?	162	valve In		ОК	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	No	Valve Out				
Steam Cost		Annual Cost				Check		Condensate Lift Condensate Load		Conductive Temp Alarm				Valve In Valve Out		OK	Comments	

			DI 17 10	Application	Туре			PMO	150	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
Tag#	6	Location	Blent Tank 2		31	MFR	Hoffman	Conn Size	0.75"	Shutdown				_			Supply	Tottow op Bate.	11/23/23
Outside?		Elevation	3 Ft	Process	Inverted	Model	B0150A-3	Line In	0.13	Required?		Transmitter		Direction	Horizo	ntal l	Discharge	Recommendation	
				-	Bucket					Pressure In	20	Check Valve?	Yes	Strainer?	Yes		Condition		
Route No.		Steam Loss		Months / Year	l	Conn Type	NPT	Line Out		Pressure Out		Upstream ISO Valve?	Yes						
a. a .				Frequency		Check		Condensate		Conductive		opstream 100 valve.	163	Valve In		Н	OK	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	No	Valve Out					
					-					6 1 12							C:	I	
Tag#	7	Location	Blent Tank 3	Application	Туре	MFR	Hoffman	PMO	150	Superheat?		Insulation?		P	iping		Steam Supply	Follow Up Date?	11/29/23
0		Elevention.	2.51	Process	Inverted	Mandal	B04504.0	Conn Size	0.75"	Shutdown Required?		Transmitter		Direction	Horizo	ntal l	Discharge		
Outside?		Elevation	3 Ft	Process	Bucket	Model	B0150A-3	Line In		Pressure In	20	Check Valve?	Yes			$\dashv$	Condition	- Recommendation	
Route No.		Steam Loss		Months / Year		Conn	NPT	Line Out		Pressure Out				Strainer?	Yes			1	
				Frequency		Type		Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In			OK	Comments	
Steam Cost		Annual Cost		Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	No	Valve Out					
Tag#	8	Location	Contherm	Application	Туре	MFR	Bestobell	РМО	750	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
			Steam Header	-				Conn Size	1"	Shutdown Required?		Transmitter		Direction	Horizo	المند	Supply	-	
Outside?		Elevation	10 Ft	Drip	Thermostatic	Model	M16	Line In		Pressure In	90						Discharge Condition	Recommendation	
Doute No		Ctoom Loss				Conn	NPT	Line Out		Pressure Out		Check Valve?	Yes	Strainer?	Yes		Condition		
Route No.		Steam Loss		Months / Year		Туре	INFI	Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In			OK		
Steam Cost		Annual Cost		Frequency		Check Valve?		Condensate		Temp Alarm		Downstream ISO Valve?	No	Valve Out		H	OIX	Comments	
				Installed Date		vaive:		Load						110110000					
Tag #	9	Location	Contherm Heat	Application	Туре	MFR	Bestobell	РМО	750	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
Tag#		Location	Exchanger	_		IVIIIX	Destonen	Conn Size	0.75"	Shutdown				Divantian	Havina		Supply		
Outside?		Elevation	3 Ft	Process	Thermostatic	Model	M16	Line In		Required?  Pressure In	90	Transmitter		Direction	Horizo	IIIai	Discharge	Recommendation	
						Conn		Line Out		Pressure Out	90	Check Valve?	Yes	Strainer?	Yes		Condition		
Route No.		Steam Loss		Months / Year		Туре	NPT	Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In			Not In		
Steam Cost		Annual Cost		Frequency		Check		Condensate				Downstream ISO Valve?	No			Н	Service	Comments	
				Installed Date		Valve?		Load		Temp Alarm		Downstream 30 valve:	No	Valve Out		Ш			
	10		HTST CIP Heat	Application	Туре			PMO	125	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
Tag#	10	Location	Exchanger	Phone		MFR	Armstrong	Conn Size	1.5"	Shutdown				_			Supply	Tottow op Bate.	11/23/23
Outside?		Elevation	6 Ft	Process	Float &	Model	125-A6	Line In	1.5	Required?		Transmitter		Direction	Horizo	ntal	Discharge	Recommendation	
				-	Thermostatic			Line Out		Pressure In	90	Check Valve?	Yes	Strainer?	Yes		Condition		
Route No.		Steam Loss		Months / Year	1	Conn Type	NPT	Condensate		Pressure Out		Upstream ISO Valve?	Yes			+	Not in		
Stoom Cost		Annual Cost		Frequency		Check		Lift		Conductive				Valve In		+	Service	Comments	
Steam Cost		Allilual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	No	Valve Out					
			Dryer 1	Application	Type			DMC	150	Superheat?					iping		Steam	Fallend to Bat 2	11/20/22
Tag#	11	Location	Dehumidifer	Аррисации	Туре	MFR	Hoffman	PMO	150	Shutdown		Insulation?			lhing.		Supply	Follow Up Date?	11/29/23
Outside?		Elevation		- Heating	Inverted	Model	D01E04 2	Conn Size	0.75"	Required?		Transmitter		Direction	Horizo	ntal İ	Discharge Discharge	Pocommondation	
outside:		LIEVALIUII	3 Ft	licating	Bucket	Model	B0150A-3	Line In		Pressure In	125	Check Valve?	Yes	Strainer?	V	$\square$	Condition	- Recommendation	
Route No.		Steam Loss		Months / Year		Conn Type	NPT	Line Out		Pressure Out					Yes				
						Type		Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In			OK		
		Annual Cost		Frequency		Check		Condensate Load								+	OK	Comments	

Tag#	12	Location	Dryer 1	Application	Туре	MFR	Hoffman	PMO	150	Superheat?		Insulation?		Piping Steam	Follow Up Date?	11/29/23
			Dehumidifier	-	Inverted			Conn Size	0.75"	Shutdown Required?		Transmitter		Direction Horizontal Supply Discharge		
Outside?		Elevation	4 Ft	Heating	Bucket	Model	B0150A-3	Line In		Pressure In	125	Check Valve?	No	Condition	Recommendation	
Route No.		Steam Loss		Months / Year		Conn	NPT	Line Out		Pressure Out		Crieck valve?	No	Strainer? No		
				Frequency		Type		Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In OK	Comments	
Steam Cost		Annual Cost		Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out		
Tag#	13	Location	Dryer 1	Application	Туре	MFR	Hoffman	РМО	150	Superheat?		Insulation?		Piping Steam	Follow Up Date?	11/29/23
			Dehumidifier	_	Inverted			Conn Size	1"	Shutdown Required?		Transmitter		Direction Horizontal Supply Discharge	_	
Outside?		Elevation	1 Ft	Process	Bucket	Model	B0150A-3	Line In		Pressure In	125	Chack Valva?	Vaa	Condition	Recommendation	
Route No.		Steam Loss		Months / Year		Conn	NPT	Line Out		Pressure Out		Check Valve?	Yes	Strainer? No		
				Frequency		Type		Condensate Lift		Conductive		Upstream ISO Valve?	No	Valve In OK	Comments	
Steam Cost		Annual Cost		Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	No	Valve Out	geninients	
								1 - 3 - 3								
Tag#	14	Location	Dryer 1 CIP	Application	Туре	MFR	Armstrong	РМО	750	Superheat?		Insulation?		Piping Steam	Follow Up Date?	11/29/23
			Heat Exchanger	_	Float &			Conn Size	1"	Shutdown Required?		Transmitter		Direction Horizontal		
Outside?		Elevation	1 Ft	Process	Thermostatic	Model	125-A5	Line In		Pressure In	125			Direction Horizontal Discharge Condition		
Route No.		Steam Loss		1		Conn	NPT	Line Out		Pressure Out		Check Valve?	Yes	Strainer? Yes		
Noute No.		Steam 2033		Months / Year		Туре		Condensate Lift		Conductive		Upstream ISO Valve?	No	Valve In Not in	Comments	
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out Service	Comments	
				otakea 2 ate				Load								
Tag#	15	Location	Boiler Room/	Application	Туре	MFR	Bestobell	РМО	750	Superheat?		Insulation?		Piping Steam	Follow Up Date?	11/29/23
			Main Header	_				Conn Size	0.75"	Shutdown Required?		Transmitter		Direction Horizontal Supply		
Outside?		Elevation	10 Ft	Drip	Thermostatic	Model	M16	Line In		Pressure In	125			Discharge	Recommendation	
Route No.		Steam Loss		1		Conn	NPT	Line Out		Pressure Out		Check Valve?	Yes	Strainer? Yes Condition		
Noute No.		Steam 2033		Months / Year		Туре	INFI	Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In OK	Comments	
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	No	Valve Out	Comments	
			<u> </u>					Load								
Tag#	16	Location	Dryer 2 Warehouse Header	Application	Туре	MFR	Armstrong	РМО	125	Superheat?		Insulation?		Piping Steam	Follow Up Date?	11/29/23
			neadei	_	Inverted			Conn Size	0.75"	Shutdown Required?		Transmitter		Direction Horizontal		
Outside?		Elevation	10 Ft	Drip	Bucket	Model	TVS-811	Line In		Pressure In	125			Discharge	Recommendation	
Route No.		Steam Loss		1		Conn	NPT	Line Out		Pressure Out		Check Valve?	No	Strainer? Yes Condition		
Noute No.		Jiedill LU33		Months / Year		Туре	141 1	Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In OK	Comments	
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out Oil	Comments	
		1	I			1		Loau					<u> </u>			
Tag#	17	Location	Dryer 2	Application	Туре	MFR	Hoffman	PMO	175	Superheat?		Insulation?		Piping Steam	Follow Up Date?	11/29/23
			Plate Heat Exchanger	_	Float &			Conn Size	1"	Shutdown Required?		Transmitter		Direction Horizontal Discharge		
Outside?		Elevation	9 Ft	Process	Thermostatic	Model	FT175H	Line In		Pressure In	125			Discharge Condition	Recommendation	
Pouto No		Steam Loss				Conn	NPT	Line Out		Pressure Out		Check Valve?	Yes	Strainer? No Condition		
Route No.		Steam LOSS		Months / Year		Туре	INPI	Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In Not in	Commerts	
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	No	Valve Out Service	Comments	
				mstatted Date		1.3.,,		LUdu		e					1	

			D 2			ı													
Tag#	18	Location	Dryer 2 Dehumidifer	Application	Туре	MFR	Armstrong	PMO	125	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
			Denumber	-	Inverted			Conn Size	0.75"	Shutdown Required?		Transmitter		Direction	Horizor	-4-1	pply		
Outside?		Elevation	16 Ft	Drip	Bucket	Model	TVS-812	Line In		Pressure In	125	- Hansimeer		-		Disc	charge	Recommendation	
						Conn		Line Out		Pressure Out	120	Check Valve?	Yes	Strainer?	Yes	,  -	Condition		
Route No.		Steam Loss		Months / Year		Type	NPT	Condensate				Upstream ISO Valve?	Yes	Valve In			Not in		
				Frequency		Check		Lift		Conductive		•		Valve III			Service	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			00.7.00		
		1				1						1				Y			ı
Tag#	19	Location	Dryer 2 Scrubber/	Application	Туре	MFR	Armstrong	PMO	125	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
			Main Header	-			7	Conn Size	0.75"	Shutdown Required?		Turning		Direction	Horizor	1	pply		
Outside?		Elevation	5 Ft	Drip	Inverted Bucket	Model	TVS-811	Line In		-	125	Transmitter			11011201	Disc	charge	Recommendation	
				-	Ducket	C		Line Out		Pressure In	125	Check Valve?	Yes	Strainer?	Yes		Condition		
Route No.		Steam Loss		Months / Year	'	Conn Type	NPT	Condensate		Pressure Out		Upstream ISO Valve?	Yes						
				Frequency		Check		Lift		Conductive		opstream 130 valve.	163	Valve In			OK	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out					
Tag#	20	Location	USP Heat	Application	Туре	MFR	Bestobell	PMO	750	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
Tag π	20	Location	Exchanger			IWII IX	Bestobett	Conn Size	0.75"	Shutdown					l	Sup	pply		
Outside?		Elevation	11 Ft	Process	Thermostatic	Model	M16	Line In		Required?	405	Transmitter		Direction	Horizor	Disc	charge	Recommendation	
								-		Pressure In	125	Check Valve?	No	Strainer?	No		Condition		
Route No.		Steam Loss		Months / Year		Conn Type	NPT	Line Out		Pressure Out			.,		110				
				Frequency				Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In			Not in	Comments	
Steam Cost		Annual Cost		Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			Service	Gomments	
						<u> </u>		Load											
T !!	21	Lasakiasa	Hallways Dryer 3	Application	Туре	МЕР	A	PMO	125	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
Tag#	21	Location	Main Header (North)			MFR	Armstrong	Conn Size	0.75"	Shutdown				_		Sup	pply		
Outside?		Elevation	10 Ft	Drip	Inverted	Model	881		0.13	Required?		Transmitter		Direction	Horizor	ntal Disc	charge	Recommendation	Replace With Watson McDaniel
o a co. a c.			1011		Bucket		001	Line In		Pressure In	125	Check Valve?	Yes	Strainer?	No		Condition	Recommendation	IB1042-13-N-125
Route No.		Steam Loss		Months / Year		Conn	NPT	Line Out		Pressure Out				Strainer	INO				
				Frequency		Туре		Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In			FAILED	Comments	
Steam Cost		Annual Cost		Installed Date		Check Valve?		Condensate		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			OPEN	Comments	
				mstatted Date		1		Load		<u> </u>									
	22	T	Hallway Dryer 3 Main	Application	Туре	T	A	PMO	125	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
Tag#	22	Location	Header (South)		21	MFR	Armstrong	- Conn Size	0.75"	Shutdown				_		Sup	pply	Tottow op Bute.	11/23/23
Outside?		Elevation	16 Ft	Drip	Inverted	Model	881		0.13	Required?		Transmitter		Direction	Horizor	1	charge	Recommendation	
Juisiue!		LIEVALIUII	101-0		Bucket	Model	001	Line In		Pressure In	125	Check Valve?	Yes	Gt : -	l kı		Condition	Recommendation	
Route No.		Steam Loss		Months / Year		Conn	NPT	Line Out		Pressure Out		S. S. S. Valve.		Strainer?	No				
				Months / Year		Туре		Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In			OK	Comments	
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out				Comments	
				mstatted Date		valve:		Load						1					
			Water Heat Exchanger/	Application	Туре			PMO	145	Superheat?		Insulation?		Р	iping		Steam	Follow Up Date?	11/29/23
Tag#	23	Location	CIP Room #3	,,	71	MFR	Watson McDanie	l		Shutdown		insulation:		_		Sur	pply	- Ollow op bate:	11/23/23
Outsides		Elovation	11 54	Process	Float &	Model	FTT 1.45	- Conn Size	1.5"	Required?		Transmitter		Direction	Horizor	ntal 🗀	charge	- Document detien	
Outside?		Elevation	11 Ft	1-100633	Thermostatic	Model	FTT-145	Line In		Pressure In	125	Check Valve?	Yes				Condition	Recommendation	
Route No.		Steam Loss		Manda /M		Conn	NPT	Line Out		Pressure Out		CHECK VALVE:	162	Strainer?	Yes				
		2000		Months / Year		Туре	INI	Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In			OK		
Steam Cost		Annual Cost		Frequency Date		Check		Condensate		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			OK	Comments	
				Installed Date		Valve?		Load		Temp Ataliii		valve:	163	valve out					

Tag #	24	Location	CIP Heat Exchanger/	Application	Туре	MFR	Watson McDanie	PMO 145	Superheat?		Insulation?		Р	iping	Stea	am Fol	llow Up Date?	11/29/23
Tag#		Location	CIP Room #3		Floor 9	MIFK	Watson webanie	Conn Size 1.5	Shutdown Required?				Direction	Horizon	Supply			<u> </u>
Outside?		Elevation	11 Ft	Process	Float & Thermostatic	Model	FTT-145	Line In	Pressure In	125	Transmitter		Direction	попдоп	Discharge		commendation	
Davita Na		Channel and				Conn	NPT	Line Out	Pressure Out		Check Valve?	Yes	Strainer?	Yes	Condi	ition		
Route No.		Steam Loss		Months / Year		Туре	NPI	Condensate Lift	Conductive		Upstream ISO Valve?	Yes	Valve In		OI	K c		
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate	Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			Coi	mments	
				mstatted Date		valve.		Load										
Tag#	25	Location	Plate Heat Exchanger #3	Application	Туре	MFR	Watson McDanie	PMO 145	Superheat?		Insulation?		Р	iping	Stea	am Fol	llow Up Date?	11/29/23
1			Wet Process Room		Float &			Conn Size 1.5	Shutdown Required?		Transmitter		Direction	Horizon	Supply			
Outside?		Elevation	6 Ft	Process	Thermostatic	Model	FTT-145	Line In	Pressure In	125			-		Discharge Condi		commendation	
Route No.		Steam Loss				Conn	NPT	Line Out	Pressure Out		Check Valve?	Yes	Strainer?	Yes	Condi			
Route No.		Steam Loss		Months / Year		Туре	INFI	Condensate Lift	Conductive		Upstream ISO Valve?	Yes	Valve In		01	K co.	mments	
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate Load	Temp Alarm		Downstream ISO Valve?	Yes	Valve Out				mments	
				otakea Date		1		Load										
Tag#	26	Location	BT4/#3 Wet	Application	Туре	MFR	Watson McDanie	PMO 145	Superheat?		Insulation?		Р	iping	Stea	am Fol	llow Up Date?	11/29/23
			Process Room		Float &			Conn Size 1.5	Shutdown Required?		Transmitter		Direction	Horizon	Supply			
Outside?		Elevation	2 Ft	Process	Thermostatic	Model	FTT-145	Line In	Pressure In	125	=				Discharge Condi		commendation	
Route No.		Steam Loss				Conn	NPT	Line Out	Pressure Out		Check Valve?	Yes	Strainer?	Yes	Contai			
Noute No.		Steam 2000		Months / Year Frequency		Туре	141 1	Condensate Lift	Conductive		Upstream ISO Valve?	Yes	Valve In		Not	l Ca.	mments	
Steam Cost		Annual Cost		Installed Date		Check Valve?		Condensate Load	Temp Alarm		Downstream ISO Valve?	Yes	Valve Out		Serv	vice	illillenes	
								12000										
Tag#	27	Location	BT5/#3 Wet	Application	Туре	MFR	Watson McDanie	PMO 145	Superheat?		Insulation?		Р	iping	Stea	am Fol	llow Up Date?	11/29/23
			Process Room	_	Float &			Conn Size 1.5	Shutdown Required?		Transmitter		Direction	Horizon	tal Discharge			
Outside?		Elevation	2 Ft	Process	Thermostatic	Model	FTT-145	Line In	Pressure In	125	Chack Value?	V			Condi		commendation	
Route No.		Steam Loss		Months / Year		Conn	NDT	Line Out	Pressure Out		Check Valve?	Yes	Strainer?	Yes				
				i Monuis / Year			I NPI						1,,,		Not			
Steam Cost				,		Type	NPT	Condensate Lift	Conductive		Upstream ISO Valve?	Yes	Valve In		I	t in	mments	
		Annual Cost		Frequency Installed Date		Type Check Valve?	NPI		Conductive Temp Alarm		Upstream ISO Valve?  Downstream ISO Valve?	Yes	Valve In Valve Out		Serv	١.	mments	
		Annual Cost		Frequency		Check	NPI	Lift Condensate					_		I	١.	mments	
Tag#	28	Annual Cost	BT6/#3 Wet	Frequency	Туре	Check	Watson McDanie	Condensate Load  PMO 14	Temp Alarm  Superheat?				Valve Out	iping	Serv	vice Col	mments	11/29/23
	28	Location	Process Room	Frequency Installed Date  Application	Type Float &	Check Valve?	Watson McDanie	Lift Condensate Load	Temp Alarm  Superheat?		Downstream ISO Valve?		Valve Out	iping Horizon	Stea Supply	am Fol	llow Up Date?	11/29/23
Tag # Outside?	28		·	Frequency Installed Date		Check Valve?		Condensate Load  PMO 14	Temp Alarm  Superheat?  Shutdown	125	Downstream ISO Valve?  Insulation?  Transmitter	Yes	Valve Out P Direction	Horizon	Serv Stea	am Fol		11/29/23
	28	Location	Process Room	Frequency Installed Date  Application  Process	Float &	Check Valve? MFR Model	Watson McDanie	Lift Condensate Load  PMO 14! Conn Size 1.5 Line In Line Out	Temp Alarm  Superheat?  Shutdown Required?	125	Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?	Yes	Valve Out		Stea Supply Discharge Condi	am Fol	llow Up Date?	11/29/23
Outside?	28	Location  Elevation	Process Room	Frequency Installed Date  Application  Process  Months / Year	Float &	Check Valve?  MFR  Model  Conn Type	Watson McDaniel	PMO 14! Conn Size 1.5 Line In Line Out Condensate Lift Condensate Lift Condensate Lift	Temp Alarm  Superheat? Shutdown Required? Pressure In	125	Downstream ISO Valve?  Insulation?  Transmitter	Yes	Valve Out P Direction	Horizon	Stea Supply Discharge Condi	am Fol	llow Up Date?	11/29/23
Outside?	28	Location  Elevation	Process Room	Frequency Installed Date  Application  Process	Float &	Check Valve? MFR Model	Watson McDaniel	PMO 14! Conn Size 1.5 Line In Line Out Condensate	Temp Alarm  Superheat? Shutdown Required? Pressure In Pressure Out	125	Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?	Yes	Valve Out  P Direction Strainer?	Horizon	Stea Supply Discharge Condi	am Fol	llow Up Date?	11/29/23
Outside?  Route No.	28	Location  Elevation  Steam Loss	Process Room 2 Ft	Frequency Installed Date  Application  Process  Months / Year  Frequency Installed Date	Float & Thermostatic	Check Valve?  MFR  Model  Conn Type  Check	Watson McDaniel	PMO 14: Conn Size 1.5 Line In Line Out Condensate Lift Condensate Lift Condensate Condensate	Temp Alarm  Superheat? Shutdown Required? Pressure In Pressure Out Conductive Temp Alarm	125	Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?  Upstream ISO Valve?	Yes Yes Yes	Valve Out  P Direction Strainer? Valve In Valve Out	Horizon Yes	Serv  Stea  Supply  Discharge  Condi  Not  Serv	am Folkition Recuiring Convice	llow Up Date?	11/29/23
Outside?  Route No.	28	Location  Elevation  Steam Loss	Process Room	Frequency Installed Date  Application  Process  Months / Year Frequency	Float &	Check Valve?  MFR  Model  Conn Type  Check	Watson McDaniel	PMO 145 Conn Size 1.5 Line In Line Out Condensate Lift Condensate Lift Conn Size 1.5 Line In Line Out Condensate Lift Condensate Load	Temp Alarm  Superheat? Shutdown Required? Pressure In Pressure Out Conductive Temp Alarm  Superheat?	125	Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?  Upstream ISO Valve?	Yes Yes Yes	Valve Out  P Direction Strainer? Valve In Valve Out	Horizon	Serv  Stea  Supply  Discharge  Condi  Not  Serv	am Folkition Recorded to the control of the control	llow Up Date?	11/29/23
Outside?  Route No.  Steam Cost  Tag #		Location Elevation Steam Loss Annual Cost Location	Process Room  2 Ft  Contherm for Dryer #3 Condensate	Frequency Installed Date  Application  Process  Months / Year  Frequency Installed Date  Application	Float & Thermostatic	Check Valve?  MFR  Model  Conn Type  Check Valve?	Watson McDaniel FTT-145 NPT Watson McDaniel	PMO 14! Condensate Load  PMO 14! Conn Size 1.5 Line In Line Out Condensate Lift Condensate Lift Condensate Load  PMO 14! Conn Size 0.75	Temp Alarm  Superheat? Shutdown Required? Pressure In Pressure Out Conductive Temp Alarm  Superheat?	125	Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?  Upstream ISO Valve?  Downstream ISO Valve?	Yes Yes Yes	Valve Out  P Direction Strainer? Valve In Valve Out	Horizon Yes	Stea Supply Discharge Condi	am Fol	Illow Up Date?  commendation  mments  Illow Up Date?	
Outside?  Route No.  Steam Cost		Location  Elevation  Steam Loss  Annual Cost	Process Room 2 Ft  Contherm for Dryer	Frequency Installed Date  Application  Process  Months / Year  Frequency Installed Date	Float & Thermostatic	Check Valve?  MFR  Model  Conn Type  Check Valve?	Watson McDanie  FTT-145  NPT	PMO 145 Conn Size 1.5 Line In Line Out Condensate Lift Condensate Lift Conn Size 1.5 Line In Line Out Condensate Lift Condensate Load	Temp Alarm  Superheat? Shutdown Required? Pressure In Pressure Out Conductive Temp Alarm  Superheat? Superheat? Shutdown	125	Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?  Upstream ISO Valve?  Downstream ISO Valve?  Insulation?  Transmitter	Yes Yes Yes Yes	Valve Out  P Direction Strainer? Valve In Valve Out  P Direction	Horizon  Yes  iping  Horizon	Serv  Stea Supply Discharge  Condi  Not Serv  Stea Supply  Discharge  Condi  Condi  Condi  Condi  Condi	am Follition Recuiring Contact in Vice Recuiring Recuiri	llow Up Date?  commendation  mments	
Outside?  Route No.  Steam Cost  Tag #		Location Elevation Steam Loss Annual Cost Location	Process Room  2 Ft  Contherm for Dryer #3 Condensate	Frequency Installed Date  Application  Process  Months / Year  Frequency Installed Date  Application  Process	Float & Thermostatic  Type Float &	Check Valve?  MFR  Model Conn Type Check Valve?  MFR  Model Conn	Watson McDaniel FTT-145 NPT Watson McDaniel	PMO 14! Conn Size 1.5 Line In Line Out Condensate Lift Condensate Lift Condensate Lift Condensate Load  PMO 14! Conn Size 0.75 Line In Line Out Line Out Line Out Line Out Line Out Line Out	Temp Alarm  Superheat? Shutdown Required? Pressure In Pressure Out Conductive Temp Alarm  Superheat? Shutdown Required?		Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?  Upstream ISO Valve?  Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?	Yes Yes Yes Yes Yes	Valve Out  P Direction Strainer? Valve In Valve Out  P Direction Strainer?	Horizon Yes iping	Servent Steat Supply Discharge Condi	am Folkition Contains Recuition Recuition Recuiring Recu	Illow Up Date?  commendation  mments  Illow Up Date?	
Outside?  Route No.  Steam Cost  Tag #  Outside?		Location Elevation Steam Loss Annual Cost Location Elevation	Process Room  2 Ft  Contherm for Dryer #3 Condensate	Frequency Installed Date  Application  Process  Months / Year  Frequency Installed Date  Application	Float & Thermostatic  Type Float &	Check Valve?  MFR  Model  Conn Type  Check Valve?  MFR  Model	Watson McDaniel FTT-145 NPT Watson McDaniel FTT-145	PMO 145 Conn Size 1.5 Line In Line Out Condensate Lift Condensate Lift Condensate Lift Condensate Load  PMO 145 Conn Size 0.75 Line In	Temp Alarm  Superheat? Shutdown Required? Pressure In Pressure Out Conductive Temp Alarm  Superheat? Shutdown Required? Pressure In		Downstream ISO Valve?  Insulation?  Transmitter  Check Valve?  Upstream ISO Valve?  Downstream ISO Valve?  Insulation?  Transmitter	Yes Yes Yes Yes	Valve Out  P Direction Strainer? Valve In Valve Out  P Direction	Horizon  Yes  iping  Horizon	Serv  Stea Supply Discharge  Condi  Not Serv  Stea Supply  Discharge  Condi  Condi  Condi  Condi  Condi	am Folkition Contains Recuiring Recu	Illow Up Date?  commendation  mments  Illow Up Date?	

T #	20	1 4 :	Steam Header/#3	Application	Туре	MFR	Armstrong	PMO	125	Superheat?		Insulation?		Piping	Steam	Follow Up Date?	11/29/23
Tag#	30	Location	Wet Process Room		Inverted	MFK	Armstrong	Conn Size	0.75"	Shutdown Required?		Transmitter		Direction Horizontal	Supply		
Outside?		Elevation	1 Ft	Drip	Bucket	Model	881	Line In		Pressure In	125			- Horizontal	Discharge Condition	Recommendation	
Route No.		Steam Loss		Months / Year		Conn	NPT	Line Out		Pressure Out		Check Valve?	Yes	Strainer? No	·	_	
				Frequency		Type		Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In	Lost Prime	Comments	
Steam Cost		Annual Cost		Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			
			LITET CIP II														
Tag#	31	Location	HTST CIP Heat Exchanger/#3 Wet Process Room	Application	Туре	MFR	Watson McDanie	PMO	145	Superheat?		Insulation?		Piping 	Steam Supply	Follow Up Date?	11/29/23
Outside?		Elevation		Process	Float &	Model	FTT 14E	Conn Size	1.5"	Shutdown Required?		Transmitter		Direction Horizontal	Discharge	Pocommondation	
Outsides		Elevation	6 Ft	1100033	Thermostatic	Model	FTT-145	Line In		Pressure In	125	Check Valve?	Yes	Strainer? Yes	Condition	Recommendation	
Route No.		Steam Loss		Months / Year		- Conn Type	NPT	Line Out Condensate		Pressure Out		Upstream ISO Valve?					
Characa Cart		A		Frequency		Check		Lift		Conductive		Opstream 150 valve:	Yes	Valve In	ОК	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			
			Dryer #3	Application	Туре			PMO	145	Superheat?		Institution 2		Piping	Steam	Follow Up Date?	11/29/23
Tag#	32	Location	Dehumidifier	Application	Турс	MFR	Watson McDanie	Conn Size	0.75"	Shutdown		Insulation?		— i i i i i i i i i i i i i i i i i i i	Supply	Follow op Date?	11/29/23
Outside?		Elevation	1 Ft	Process	Float &	Model	FTT-145	Line In	0.13	Required?	105	Transmitter		Direction Horizontal	Discharge	Recommendation	
				_	Thermostatic	Camp		Line Out		Pressure Out	125	Check Valve?	Yes	Strainer? Yes	Condition		
Route No.		Steam Loss		Months / Year	•	- Conn Type	NPT	Condensate		Pressure Out Conductive		Upstream ISO Valve?	Yes	Valve In	Not in		
Steam Cost		Annual Cost		Frequency		Check		Lift Condensate				Downstream ISO Valve?			Service	Comments	
				Installed Date		Valve?		Load		Temp Alarm		DOWNStream 150 valve:	Yes	Valve Out			
Tag #	33	Location	Dryer #3	Application	Туре	MFR	Watson McDanie	PMO	145	Superheat?		Insulation?		Piping	Steam	Follow Up Date?	11/29/23
Tug "		Location	Dehumidifier	_	Fl 0		Watson McDanie	Conn Size	0.75"	Shutdown Required?		Transmitter		Direction Horizontal	Supply		<u> </u>
Outside?		Elevation	1 Ft	Process	Float & Thermostatic	Model	FTT-145	Line In		Pressure In	125	Transmitter		Direction Tionzontal	Discharge Condition	Recommendation	
Route No.		Steam Loss				Conn	NPT	Line Out		Pressure Out		Check Valve?	Yes	Strainer? Yes	Condition	_	
Noute No.		Steam Loss		Months / Year		Туре	INFI	Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In	Not in	Comments	
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out	Service	Comments	
								Loud									
Tag#	34	Location	Dryer #3 Dehumidifier	Application	Туре	MFR	Watson McDanie	PMO	145	Superheat?		Insulation?		Piping	Steam	Follow Up Date?	11/29/23
				Dua	Float &			Conn Size	0.75"	Shutdown Required?		Transmitter		Direction Horizontal	Supply Discharge	-	
Outside?		Elevation	1 Ft	Process	Thermostatic	Model	FTT-145	Line In		Pressure In	125	Check Valve?	Yes		Condition	Recommendation	
Route No.		Steam Loss		Months / Year		Conn	NPT	Line Out		Pressure Out				Strainer? Yes			
				Frequency		Type Check		Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In	Not in Service	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out	Service		
			Drover #2 CID	Application	Tuna			DMO		Superheat?				Dining	Ctoors	- II	44 100 100
Tag#	35	Location	Dryer #3 CIP Heat Exchanger	Application	Туре	MFR	Watson McDanie	1	145	Shutdown		Insulation?		Piping —	Steam Supply	Follow Up Date?	11/29/23
Outside?		Elevation	1 Ft	Process	Float &	Model	FTT-145	Conn Size Line In	1.5"	Required?		Transmitter		Direction Horizontal	Discharge	Recommendation	
			110	-	Thermostatic		111113	Line In		Pressure In	125	Check Valve?	Yes	Strainer? Yes	Condition		
Route No.		Steam Loss		Months / Year	<u>'</u>	- Conn Type	NPT	Condensate		Pressure Out		Upstream ISO Valve?	Yes	Valve In	Not in		
Steam Cost		Annual Cost		Frequency		Check		Lift		Conductive					Service	Comments	
2000 0000				Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			

Tag#	36	Location	Dryer #3 Steam Header Above CIP	Application	Туре	MFR	Armstrong	PMO	125	Superheat?		Insulation?		Р	iping	Steam	Follow Up Date?	11/29/23
		20000000	Heat Exchanger		Inverted		7.11.11.01.01.18	Conn Size	0.75"	Shutdown Required?		Transmitter		Direction	Horizonta	Supply		
Outside?		Elevation	6 Ft	Drip	Inverted Bucket	Model	881	Line In		Pressure In	125	Transmitter		_ Direction	1101120110	Discriarge	Recommendation	
					Buenet	Conn		Line Out		Pressure Out	123	Check Valve?	Yes	Strainer?	No	Condition		
Route No.		Steam Loss		Months / Year		Туре	NPT	Condensate		Conductive		Upstream ISO Valve?	Yes	Valve In				
Steam Cost		Annual Cost		Frequency		Check		Lift		Conductive		_		+		Lost Prime	Comments	
Steam Cost		Annual Cost		Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out				
												<u> </u>					-	I
Tag#	37	Location	Dryer #3 Steam Header/ West Wall/Level 2	Application	Туре	MFR	Armstrong	PMO	125	Superheat?		Insulation?		Р	iping I	Steam	Follow Up Date?	11/29/23
					Inverted			Conn Size	0.75"	Shutdown Required?		Transmitter		Direction	Horizonta	Supply Discharge	_	
Outside?		Elevation	4 Ft	Drip	Bucket	Model	881	Line In		Pressure In	125					Condition	Recommendation	
		1				Conn		Line Out		Pressure Out		Check Valve?	Yes	Strainer?	Yes	Condition	_	
Route No.		Steam Loss		Months / Year		Туре	NPT	Condensate		Conductive		Upstream ISO Valve?	Yes	Valve In				
Steam Cost		Annual Cost		Frequency		Check		Lift Condensate								Lost Prime	Comments	
Steam cost		7 iiii dat cost		Installed Date		Valve?		Load		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out				
			Boiler #2 Steam		_					1		1		_				
Tag#	38	Location	Header/Directly	Application	Туре	MFR	Bestobell	PMO	750	Superheat?		Insulation?		Р	iping I	Steam	Follow Up Date?	11/29/23
			Over Boiler					Conn Size	0.75"	Shutdown Required?		Transmitter		Direction	Horizonta	Supply Discharge	_	
Outside?		Elevation	8 Ft	Drip	Thermostatic	Model	M16	Line In		Pressure In	125					Condition	Recommendation	
5		6				Conn	NDT	Line Out		Pressure Out		Check Valve?	Yes	Strainer?	Yes	Condition		
Route No.		Steam Loss		Months / Year		Туре	NPT	Condensate		Conductive		Upstream ISO Valve?	Yes	Valve In		01/		
Steam Cost		Annual Cost		Frequency		Check		Lift				Downstream ISO Valve?	Yes	\/-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-		ОК	Comments	
				Installed Date		Valve?		Condensate Load		Temp Alarm		Downstream iso valve?	res	Valve Out				
			Dryer Room 1/	Application	Туре	1		PMO	150	Superheat?		1		Р	iping	Steam	Follow Up Date?	11/20/22
Tag#	39	Location	Main Header	Аррисаціон	Туре	MFR	Hoffman		150	Shutdown		Insulation?			ibilig	Supply	Follow Up Date?	11/29/23
0.1:1.2			4 =:	Drin	Inverted		B04504.0	Conn Size	0.75"	Required?		Transmitter		Direction	Horizonta		-	Replace With
Outside?		Elevation	4 Ft	Drip	Bucket	Model	B0150A-3	Line In		Pressure In	125	Check Valve?	Voc			Condition	Recommendation	Watson McDaniel
Route No.		Steam Loss		Mantha / Wasa		Conn	NPT	Line Out		Pressure Out		Check valve:	Yes	Strainer?	Yes			
				Months / Year		Туре	141 1	Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In		FAILED	Comments	
Steam Cost		Annual Cost		Frequency Installed Date		Check Valve?		Condensate		Temp Alarm		Downstream ISO Valve?	No	Valve Out		OPEN	Comments	
				installed Date		valve.		Load										
	40		CIP Room #3/	Application	Туре			PMO	125	Superheat?		Insulation?		Р	iping	Steam	Follow Up Date?	11/29/23
Tag#	40	Location	Main Header	Photos	21	MFR	Armstrong		0.75"	Shutdown		insulation:		_		Supply	Tottow op Bute.	11/23/23
Outside?		Elevation	14 Ft	Drip	Inverted	Model	881	Conn Size	0.15	Required?		Transmitter		Direction	Horizonta	al Discharge	Recommendation	
Outside:		Lievation	1711	P	Bucket	model	001	Line In		Pressure In	125	Check Valve?	Yes	C+roin or?	Vaa	Condition	Necommendation	
Route No.		Steam Loss		Months / Year		Conn	NPT	Line Out		Pressure Out				Strainer?	Yes			
				Frequency		Туре		Condensate Lift		Conductive		Upstream ISO Valve?	Yes	Valve In		ОК	Comments	
Steam Cost		Annual Cost		Installed Date		Check Valve?		Condensate		Temp Alarm		Downstream ISO Valve?	Yes	Valve Out			Comments	
				mstatted Date		1 *41.		Load		- p								<u> </u>