No.	COMPONENT	EQUIPMENT REQUIRED TO	SETPOINT OR STATUS	SCHEMATIC
		<b>OPERATE</b>	REQUIRED	REFERENCE
1	Discharge Conveyor and Pugmill (44)	Discharge Conveyor	On-motor starter Aux seal in	44
		Pugmill Selector Switch	On-(Discharge Pugmill)	44
		Pugmill (forward)	On-motor starter Aux seal in	44
		OR		
		Pugmill (reverse)	On-motor starter Aux seal in	46
2	Pugmill Water Supply Valve (128)	None		128
3	PTU Drum Drive (ECD) (489)	Discharge Conveyor and Pugmill	On	43
		PTU Drum Drive	On	489
4	Feed System Conveyor to Drum	Conveyor to Drum	Push button seals Aux contact	63
	(Weigh Scale) (63)	Safety Switch	Not Pulled	63
		AWFCO	On	64
		PTU Drum Drive	On	63
5	Feed Bin #2 (498)	Feed System Conveyor to Drum	On	498
		Feed Bin # 2	Push button seals Aux contact	498
6	Feed System Screen (73)	Feed System Conveyor to Drum	On	63
		Feed System Screen	Push button seals Aux contact	73
7	Feed System Conveyor to Screen (78)	Feed System Screen	On	73
		Feed System Conveyor to Screen	Push button seals Aux contact	78
8	Feed System Bin #1 (493) and	Clay Shredder	On	68
	Speed Controller (455)	Feed System Bin # 1	On motor starter Aux seal in	493
		Baghouse Temp	Not low	455
9	Air Compressor (92)	None	Push button seals in with motor	92
			starter Aux contact	
10	Quench Pump A (36)	None	Push button seals in with motor	36
			starter Aux contact	
11	Quench Tank Water Atomizing Air	Quench pump water valve	On when valve starts to open	116
	Solenoid (116) Removed From Service			
12	Induced Draft Fan (2)	Baghouse exit temperature	Not high	254
	\ \frac{1}{2}	Baghouse exhaust damper	Damper closed	207
13	Baghouse Damper Actuator Motor (202)	Induced draft fan	On	7
14	Baghouse Pulse Control (Air Cleaning	Pulse Switch	On	
	Valve) E90043-4	Baghouse Exit Temperature	Not High	
	,	Baghouse Hopper Screws A, B & C	On	

No.	COMPONENT	EQUIPMENT REQUIRED TO	SETPOINT OR STATUS	SCHEMATIC
		OPERATE	REQUIRED	REFERENCE
15	Dust Return Transfer Screw (30)	Drum Discharge Screw Water Pump		399
		(Removed from Service)	On Motor Starter Aux seal in	30
	Baghouse Airlock (31)	Dust Return Transfer Screw	On Motor Starter Aux seal in	31
		Baghouse Airlock		
16	Baghouse Cross Screw (26)	Baghouse Airlock	On	31
	Baghouse Hopper Screws A, B & C (26)	Baghouse Crossover Screw	On motor starter Aux seal in	26
		Baghouse Hopper Screws A, B & C	On motor starter Aux seal in	26
17	Discharge Cyclone Airlock (49)	Pugmill	ON	44
		Discharge Cyclone Airlock	ON motor starter Aux seal in	49
18	PTU Burner Blower (17)	ID Exhaust Fan	On	5
		PTU Burner Blower	On motor starter Aux seal in	17
19	PTU Burner Limits Closed (E90043-5)	PTU Combustion Air Pressure Switch	Not low pressure	E90043-5
		PTU Burner Blower	On	38
		ID Exhaust Fan Air Pressure Switch	Not Low	99
		ID Exhaust Fan	On	5
		Quench Thermo Couple	Not High	110
		PTU Exhaust Exit Temp	Not High	E90043-5
		Fuel Low Gas Pressure Switch	Not Low	E90043-5
		Fuel High Gas Pressure Switch	Not High	E90043-5
		Limits Closed	Indicator Lit when all above true	E90043-5
20	PTU Burner Pilot Flame (E90043-5)	Limits Complete	Limits proved – Closed	
		Flame Safeguard Reset	Honeywell Relay not in alarm	
		Pilot Start Button	Push Button < 10 seconds	
		Purge Complete & Latched	Honeywell Flame Safeguard	
		PTU Burner Low Fire	Micro Switches Closed	
		Ignition Transformer	On for 10 seconds	
		Pilot Solenoid Valve	Open	
		Flame Proof	Flame Scanner (UV) Sees Flame	
21	PTU Burner	Pilot Flame	PSP On	E90043-5
	Main Flame (1111)	Maxon Valves Aux Switches	Micro Switches Open	
		Fuel Selector Switches	Gas Position	
		PTU Burner Main Flame Start	Start Button	
		Flame Proof	Flame Proof On (UV detector)	

No.	COMPONENT	EQUIPMENT REQUIRED TO	SETPOINT OR STATUS	SCHEMATIC
		<b>OPERATE</b>	REQUIRED	REFERENCE
22	PTU Burner Control (Switch in Auto)	Ready to Control Relay 3TR	Relay 3TR On	E90043-5
	E90043-5	Burner control is from Honeywell TIC	Burner control switch selected to	
		(PTU Product T/C)	"Gas"	
		Burner control is from Honeywell TIC	Burner control switch selected to	
		(PTU Product T/C)	"soil"	
23				
	PTU Burner Control (Switch in Manual)	Ready to Control Relay 3TR	Relay 3 TR On	E90043-5
	(1118)	Burner control is from Open/Close Switch	Burner control switch selected to	
			"Open" opens valve position	
			Burner control switch selected to	
			"Closed" closes valve position	
24	STU Burner Blower (21)	ID Exhaust FAN	On	7
		STU Burner Blower	On motor starter Aux Seal in	21
25	STU Burner	STU combustion Air pressure switch	Not low pressure	E90043-7
	Limits Closed E90043-7	STU burner blower	On	21
		ID exhaust fan air pressure switch	APS not low pressure	99
		ID exhaust fan	On	5
		Quench exit temp	Not high	110
		STU exit temp	Not high	E90043-7
		Fuel low gas pressure switch	Not low	E90043-7
		Fuel high gas pressure switch	Not high	E90043-7
26	CTLD	Limits closed	Lit when all above true	E90043-7
26	STU Burner	Limits complete	Limits proved "closed"	E90043-7
	Pilot Flame E90043-7	Flame safeguard reset Pilot start button	Honeywell relay not in alarm	
			Push button, 10 seconds	
		Purge complete & latched STU Burner low fire	Honeywell flame safeguard Micro switches closed	
		Ignition transformer	On for 10 seconds	
		Pilot Solenoid valve	Open Open	
		Flame Proof	Flame scanner (UV) sees flame	
27	STU Burner Main Flame E90043-7	Pilot Flame	SSP on	E90043-7
2 /	510 Duffict Main Flattic E70043-/	Maxon Valves Aux switches	Micro switches open	E30043-/
		Fuel selector switches	Gas position	
		STU burner main flame start	Start Button	
		Flame proof	Flame Proof On (UV detector)	
		Traine proof	Traine Froot On (O v uciector)	

No.	COMPONENT	EQUIPMENT REQUIRED TO	SETPOINT OR STATUS	SCHEMATIC
		OPERATE	REQUIRED	REFERENCE
28	STU Burner Control (Switch in Auto)	Ready to control relay 3TR	Relay 3TR on	E90043-7
	(E90043-7)	Burner control is from Honeywell TIC		
		(STU gas outlet T/C)		
29	STU Burner Control (Switch in Manual)	Ready to control Relay 3TR	Relay 3TR on	E90043-7
	(E90043-7)	Burner control is from Open/Close switch	Burner control switch selected to	
			"Open" opens valve position	
			Burner control switch selected to	
			30"Close" closes valve position	