

<input checked="" type="checkbox"/>	Concept	<Date>	<Name>
<input type="checkbox"/>	Production	<Date>	<Name>
<input type="checkbox"/>	As Built	<Date>	<Name>
<input type="checkbox"/>	Revision	<Date>	<Name>



Date:			Signed:																																													
CAUSE	Datablock bit (DB10)	EFFECT	Report : on screen	Warning : on screen	Failure : on screen	Stop : M73 Belt conveyor wet sand bunker 1	Stop : M74 Belt conveyor wet sand bunker 2	Stop : M75 Belt conveyor wet sand bunker 3	Stop : M76 Belt conveyor wet sand bunker 4	Stop : M71 Collect conveyor wet sand	Stop : M72 Main belt conveyor wet sand	Stop : M01 Dryer drive	Stop : M18 Supply fan cooler	Stop : M21 Combustion air fan	Stop : M23 Recirculation air fan	Stop : M24 Sleeve cooling fan	Stop : M25 Exhaust fan	Stop : M33 Screw conveyor filter	Stop : M39 Screw conveyor dust	Stop : M77 Outlet belt conveyor dry sand	Stop : M63 Bucket elevator	Stop : M59 Oversize screen	Stop : E07 Filter cleaning	Start : E07 filter cleaning (fixed pause time)	Stop : E08 Filter cleaning silo's	Stop : M27 Fan filter dry sand silo's	Stop and close to bin: EP59 Oversize screen silo's/bin	Stop and close: EP101 valve dry sand silo 101	Stop and close: EP102 valve dry sand silo 102	Stop and close: EP103 valve dry sand silo 103	Stop and close: EP104 valve dry sand silo 104	Stop and close: EP105 valve dry sand silo 105	Stop : PICA1210 (Sub) pressure controller	Stop : Product supply controller TICA1101, TICA1126	Product supply to start value	Stop : Product temperature dryer controller TICA1113	TICA1126 Exhaust air temperature to start setpoint	Stop : Temperature controller TICA1101, TICA1126	Stop : E12 Burner	Close : V35 Fuel control valve	ACTION AFTER...minutes	Start : Stop sequence	Increase product supply to other selected bunkers					
EP102/ES8411	Valve dry sand silo 102, not opened	dbx20.2	X	X	X	X	X	X	X	X	X	X							X	X	X	X											X	X	X	X	X	X			30							
EP102/ES8412	Valve dry sand silo 102, not closed	dbx20.3	X	X	X	X	X	X	X	X	X	X							X	X	X	X							X					X	X	X	X	X	X			30						
EP103/ES8421	Valve dry sand silo 103, not opened	dbx20.4	X	X	X	X	X	X	X	X	X	X							X	X	X	X								X				X	X	X	X	X	X			30						
EP103/ES8422	Valve dry sand silo 103, not closed	dbx20.5	X	X	X	X	X	X	X	X	X	X							X	X	X	X							X					X	X	X	X	X	X			30						
EP104/ES8431	Valve dry sand silo 104, not opened	dbx20.6	X	X	X	X	X	X	X	X	X	X							X	X	X	X								X				X	X	X	X	X	X			30						
EP104/ES8432	Valve dry sand silo 104, not closed	dbx20.7	X	X	X	X	X	X	X	X	X	X							X	X	X	X								X				X	X	X	X	X	X			30						
EP105/ES8441	Valve dry sand silo 105, not opened	dbx21.0	X	X	X	X	X	X	X	X	X	X							X	X	X	X								X				X	X	X	X	X	X			30						
EP105/ES8442	Valve dry sand silo 105, not closed	dbx21.1	X	X	X	X	X	X	X	X	X	X							X	X	X	X								X				X	X	X	X	X	X			30						
E08	Filter cleaning unit silo's not OK	dbx22.4	X																							X																						
Failure bits (min/max SP) DB10.DBX40.0-49.7																																																
PICA1210_H	(Sub) pressure dryer too high	dbx40.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						X							X				X	X	X	X	X	X			60						
PICA1210_L	(Sub) pressure dryer too low	dbx40.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						X							X				X	X	X	X	X	X			60						
PDICA3200_H	Pressure difference filter high	dbx40.3	X																					X																								
TICA1113_L	Product temperature dryer low (warning)	dbx40.6	X																																													
TICA1113_LL	Product temperature dryer too low (failure)	dbx40.7	X	X	X	X	X	X	X	X	X	X																		X	X	X	X									60						
TICA1113_H	Product temperature dryer high (warning)	dbx41.0	X																																													
TICA1120_H	Product temperature cooler, high (warning)	dbx41.3	X																																													
TSA1102_HH	Supply air temperature too high (failure)	dbx41.4	X	X	X	X	X	X	X	X	X	X																	X	X	X	X	X	X	X	X	X	X	X	X			60					
TICA1101_H	Supply air temperature high (warning)	dbx41.6	X																																													
TSA3110_HH	Exhaust air temperature too high (failure)	dbx41.5	X	X	X	X	X	X	X	X	X	X																	X	X	X	X	X	X	X	X	X	X	X	X			60					
TICA1126_H	Exhaust air temperature high (warning)	dbx41.7	X																																													
PIA1201_L	Pressure undercase 1st section dryer, low (warning)	dbx42.0	X																																													
PIA1201_H	Pressure undercase 1st section dryer, high (warning)	dbx42.1	X																																													
PIA1203_L	Pressure undercase cooler section, low (warning)	dbx42.2	X																																													
PIA1203_H	Pressure undercase cooler section, high (warning)	dbx42.3	X																																													
QI7700_H	Moisture product infeed, high (warning)	dbx42.5	X																																													
QI8700_H	Moisture product dry sand, high (warning)	dbx43.0	X																																													
QIA3423_H	Dust measurement recirculation air, high (warning)	dbx43.3	X																																													
QIA3423	Dust measurement recirculation air, failure instrument	dbx43.4	X																																													
QIA3425_H	Dust measurement exhaust air, high (warning)	dbx43.6	X																																													
QIA3425	Dust measurement exhaust air, failure instrument	dbx43.7	X																																													
Failure bits (mA signals) DB10.DBX50.0-59.7																																																
PICA1210	(Sub) pressure dryer (mA signal out of range) *1	dbx50.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						X												X	X	X	X	X	X	X			60				
PDICA3200	Pressure difference filter (mA signal out of range)	dbx50.2	X																					X																								

Table with 4 columns: Date, Signed, Concept, Production, As Built, Revision.



Main Cause-Effect Matrix table with columns for Cause, Effect, and Action After. Includes sub-sections for Failure bits (burner) and Failure bits (general).

