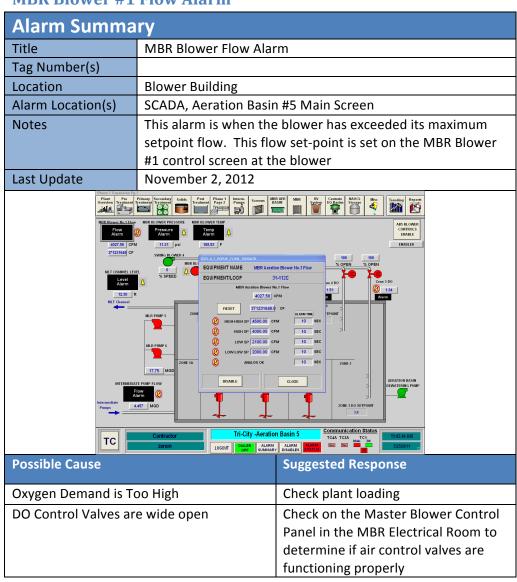
6.4.6 MBR Aeration Basin #5 Alarms

The MBR aeration basin #5 alarms include:

- 1. MBR Blower #1 Flow Alarm
- 2. MBR Blower Pressure Alarm
- 3. MBR Blower Temp Alarm
- 4. MLT Channel Level Alarm
- 5. Intermediate Pump Flow Alarm
- 6. Zone #3, Zone #4, Zone #5 or Zone #6 DO Alarm

MBR Blower #1 Flow Alarm



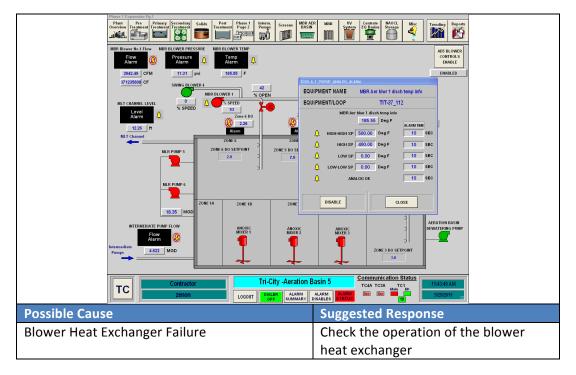
MBR Blower Pressure Alarm

Alarm Summary	
Title	MBR Blower Pressure Alarm

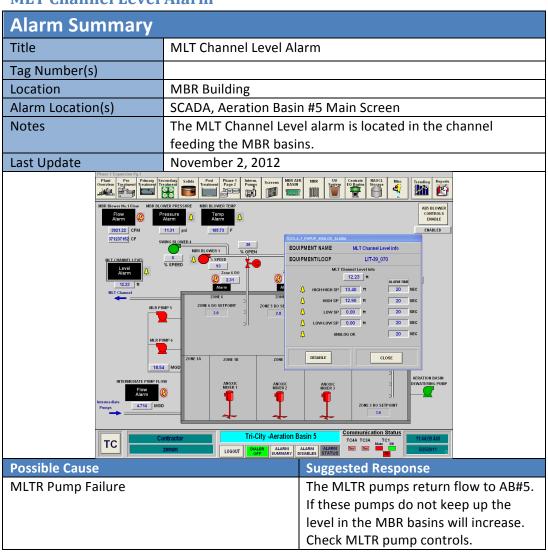
Tag Number(s)			
Location	Blower Building		
Alarm Location(s)	SCADA, Aeration Basin #5 Main Screen		
Notes	This alarm is when the blower has exceeded its maximum		
	setpoint discharge pressure. This pressure set-point is set on		
	the MBR Blower #1 control screen at the blower		
Last Update	November 2, 2012		
Overview Treatment Treatme			
Flow Alarm Pr	20 Tamp		
371234400 CF SV	INCO. 6.7. P. OPEN		
MLT CHANNEL LEVEL Level Alarm	S SPEED S SPEED S SPEED S SPEED S SPEED MBR Aer blwr I disch press info		
12.29 ft	0 2.22		
← ====================================			
	△ LOW-LOW SP 0.00 PSI 10 SEC		
MLR PU	ANALOG OK 10 SEC		
17.75	ZONE 1A ZONE 1B ZONE DISABLE CLOSE		
INTERMEDIATE PUMP FLO	ASSATION PASIN		
Intermediate			
Pumps	30		
TC Co	ntractor Tri-City -Aeration Basin 5 Communication Status		
	LOGOUT DIALER ALARM ALARM SALARM STATUS SIZESCOTT S		
Possible Cause	Suggested Response		
Air control valves are clos			
	Panel in the MBR Electrical Room to		
	determine if air control valves are		
	functioning properly		

MBR Blower Temp Alarm

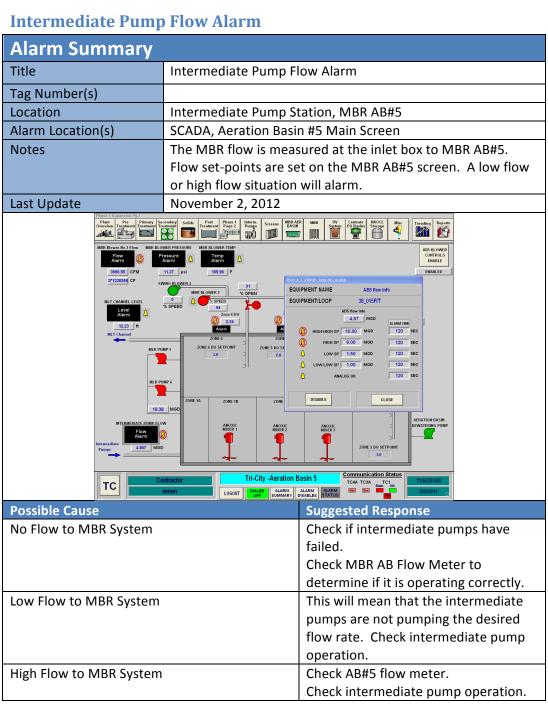
Alarm Summary			
Title	MBR Blower Temp Alarm		
Tag Number(s)			
Location	Blower Building		
Alarm Location(s)	SCADA, Aeration Basin #5 Main Screen		
Notes	This alarm is when the blower has exceeded its maximum		
	setpoint operating temperature. This temperature set-point		
	is set on the MBR Blower #1 control screen at the blower		
Last Update	November 2, 2012		



MLT Channel Level Alarm



Filtrate Pump Failure	The MBR Filtrate pumps pump flow from the MBR basins. If the filtrate pumps are not pumping an adequate flow rate, the level in the MBR basins will increase. Check the filtrate pump controls.
Not Enough MBR Basins On Line	Each MBR basin has a maximum flow rate. Confirm there are enough MBR basins in operation for the flow that is being treated.



Zone #3, Zone #4, Zone #5 or Zone #6 DO Alarm

Alores Supersons				
Alarm Summary				
Title	Zone "x" DO Alarm			
Tag Number(s)				
Location	MBR Aeration Basin #			
Alarm Location(s)	SCADA, Aeration Basin #5 Main Screen			
Notes	A maximum and minimum DO set-point is set for each zone.			
Last Update Phase 1 Expansion Pg.1	November 2, 2012			
Plant Programme Screening School Program Screening Scree				
Possible Cause	LOGOUT DIALER SUMMARY	ALARM DISABLES STATUS See See See 572572011		
	Δ	Suggested Response Not enough air is being provided to		
Low DO – Air Control Valve		the zone. Check valve opening and valve controls on MBR Blower Master Panel in MBR Electrical Room.		
Low DO – MBR Blower Control		Not enough air is being provided to the zone. Check that the MBR blower is functioning properly on the MBR Blower Master Panel in MBR Electrical Room.		
High DO – Air Control Valve		Too much air is being provided to the zone. Check valve opening and valve controls on MBR Blower Master Panel in MBR Electrical Room. If valve is being controlled properly and is at the minimum opening, there is nothing that can be done.		
High DO – MBR Blower Control		Too much air is being provided to the zone. Check that the MBR blower is functioning properly on the MBR Blower Master Panel in MBR Electrical Room. If valve is being controlled properly and is at the minimum speed, there is nothing that can be done.		