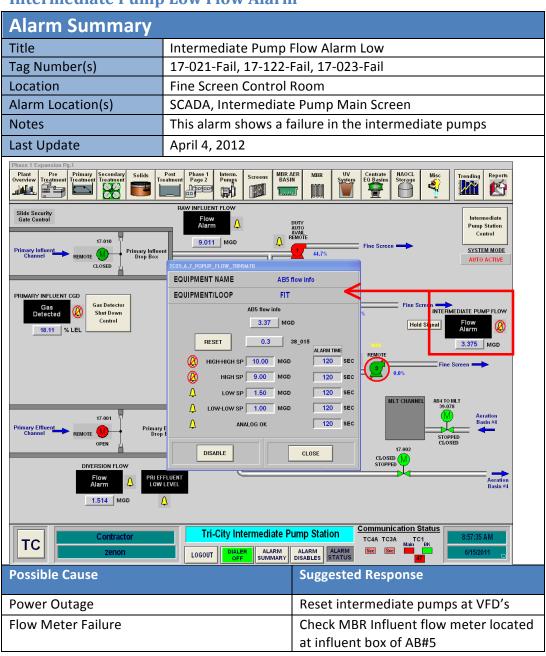
6.2.5 Intermediate Pump Station Alarms

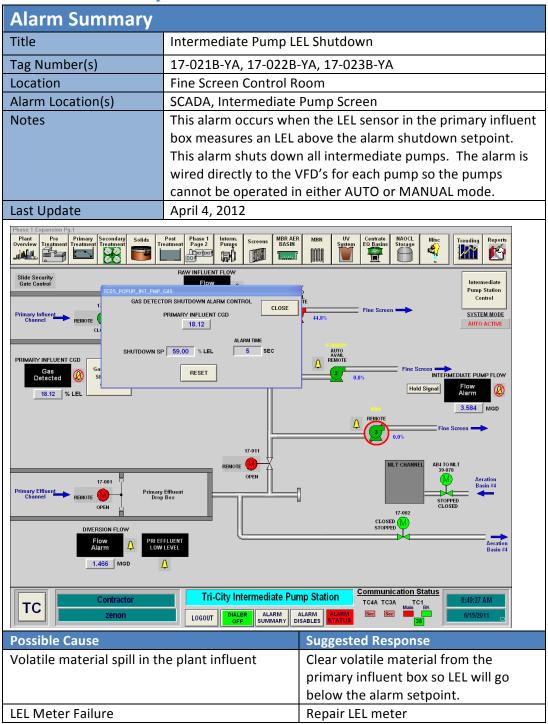
The intermediate pump station alarms include:

- 1. Intermediate Pump Low Flow Alarm
- 2. Intermediate Pump LEL Shutdown
- 3. Intermediate Pump High Temperature Alarm
- 4. Intermediate Pump VFD Fail
- 5. Primary Effluent Box Low Level Alarm

Intermediate Pump Low Flow Alarm



Intermediate Pump LEL Shutdown



Intermediate Pump High Temperature Alarm

Alarm Summary		
Title	Intermediate Pump Temperature Alarm High	
Tag Number(s)	17-021-TAH, 17-122-TAH, 17-023-TAH	
Location	Fine Screen Control Room	
Alarm Location(s)	SCADA Alarm Screen	
Notes	This alarm shows a high temperature is sensed at the VFD	

Last Update	April 4, 2012	
Possible Cause		Suggested Response
Pump Plugged		Plugged pump causes high amperage
		at the motor resulting in high motor
		temperature

Intermediate Pump VFD Failure

Alarm Summary		
Title	Intermediate Pump VFD Failure	
Tag Number(s)	17-021A-YA, 17-122A-YA, 17-023A-YA	
Location	Fine Screen Control Room	
Alarm Location(s)	SCADA Alarm Screen	
Notes	This alarm shows a problem with the VFD	
Last Update	April 4, 2012	

Suggested Response
Evaluate condition of VFD
Evaluate status of power or determine if there was a power failure
1

Primary Effluent Box Low Level Alarm

Alarm Summary		
Title	Primary Effluent Drop Box Level Alarm Low	
Tag Number(s)	17-001-LAL	
Location	Fine Screen Control Room	
Alarm Location(s)	SCADA Intermediate Pump Main Screen	
	SCADA Alarm Screen	
Notes	The teardrop float located in the Primary Effluent Drop Box	
	show a low level in the primary effluent channel.	
Last Update	April 4, 2012	

Possible Cause	Suggested Response
Primary Effluent Channel Gate Closed	Gate was closed causing no flow into primary effluent drop box
Plant Flow Lower Than MBR Flow	Plant flow is lower than setpoint flow to the MBR plant. Change constant flow setpoint or diurnal table setpoints for Intermediate Pump Station flows