

### 6.3.5 Fine Screen Process Alarms

The fine screen process alarms include:

1. Screen Influent Channel High Level Alarm
2. Drum Screen Spray Water Low Alarm
3. Drum Screen Alarm
4. Drum Screen Zero Speed Switch Alarm
5. Drum Screen Spray Valve Failure Alarm
6. Drum Screen High Temperature Alarm
7. Drum Screen Lubrication System Fault Switch Alarm

#### Screen Influent Channel High Level Alarm

Alarm Summary	
Title	Screen Influent Channel High Level Alarm
Tag Number(s)	LAHH-17-031
Location	Fine Screen Room
Alarm Location(s)	SCADA, Fine Screen Main Screen
Notes	This alarm will occur if the screens cannot pass the flow pumped to the screen influent channel.
Last Update	October 31, 2012
Possible Cause	Suggested Response
Plugged Screen	Start second screen channel Screen failure High flow Excessive debris in feed flow
Screen Failure	Check for alarm on screen control panel alarm screen. Correct alarm and restart screen.
High Flow to Screens	Each screen has a maximum capacity of 15-mgd of primary effluent. Reduce the flow to the MBR system at the intermediate pump station
Intermediate Pumps Pump to Much Flow	Check intermediate pump controls Check MBR flow meter
Excessive debris in feed flow	The fine screens were sized for primary effluent and primary influent during high flow periods. If the solids loading to the screens is excessive, the screens may not be able to clean fast enough to handle the load. Reduce the flow to the MBR plant.

#### Drum Screen Spray Water Low Alarm

##### Alarm Summary

Title	Drum Screen Spray Water Low Alarm	
Tag Number(s)		
Location	Fine Screen Room	
Alarm Location(s)	SCADA, Fine Screen Electrical Room	
Notes	Low water pressure to the spray bar	
Last Update	November 5, 2012	
Possible Cause		Suggested Response
Isolation valve at screen may be closed		Open valve
Failure of pressure switch		Call maintenance, replace switch

### Drum Screen Alarm

Alarm Summary	
Title	Drum Screen Alarm
Tag Number(s)	
Location	Fine Screen Room
Alarm Location(s)	SCADA, Fine Screen Electrical Room
Notes	
Last Update	
Possible Cause	Suggested Response

### Drum Screen Zero Speed Switch Alarm

Alarm Summary	
Title	Drum Screen Zero Speed Switch Alarm
Tag Number(s)	
Location	Fine Screen Room
Alarm Location(s)	SCADA, Fine Screen Electrical Room
Notes	
Last Update	
Possible Cause	Suggested Response
Chain tension not adequate and chain slipping on sprocket	Call maintenance. Tighten chain.
Jam inside of screen	Clear jam.

### Drum Screen Spray Valve Failure Alarm

Alarm Summary	
Title	Drum Screen Spray Valve Failure Alarm
Tag Number(s)	
Location	Fine Screen Room
Alarm Location(s)	SCADA, Fine Screen Electrical Room
Notes	
Last Update	November 5, 2012

Possible Cause	Suggested Response
Chain tension not adequate and chain slipping on sprocket	Call maintenance. Tighten chain.
Jam inside of screen	Clear jam.

### Drum Screen High Temperature Alarm

Alarm Summary	
Title	Drum Screen High Temperature Alarm
Tag Number(s)	
Location	Fine Screen Room
Alarm Location(s)	SCADA, Fine Screen Electrical Room
Notes	
Last Update	November 5, 2012
Possible Cause	Suggested Response
Screen jammed	Clear jam

### Drum Screen Lubrication System Fault Switch Alarm

Alarm Summary	
Title	Drum Screen Lubrication System Fault Switch Alarm
Tag Number(s)	
Location	Fine Screen Room
Alarm Location(s)	SCADA, Fine Screen Electrical Room
Notes	
Last Update	November 5, 2012
Possible Cause	Suggested Response