



Berth 7 Industrial Wastewater Treatment Plant - Emergency Shutdown Procedure

Revision: 1
Revision Date: 1/17/2024

Purpose

This procedure describes the emergency shutdown procedure of the Berth 7 Industrial Wastewater Treatment Plant.

Safety

- Safety glasses are required within the treatment plant building.
- Review SDS for chemicals used during optional chemical treatment operations.

PPE Required	
Safety glasses	Gloves (when handling chemicals)

Chemicals	
Sodium hydroxide, 50%	Sulfuric acid, 93%
Aluminum sulfate (Alum)	Nalco 71257

Procedure – Emergency Shutdown	Notes
1. In an emergency, the system can be shut down using any one of the red E-Stop buttons. When engaged, all processes will stop immediately.	Buttons are located on the clarifier, T-125 or T-140 control panel, on the control panel below the HMI screen, and on the pH control panel. NOTE: Even when the process is shut down, discharge from T-170/T-175 will continue by gravity. If discharge needs to stop, need to manually close the valve out at the discharge line.
2. After addressing the emergency situation, the system may be restarted. Reset the E-Stop button my manually pulling it out.	
3. On the PLC, acknowledge the alarms that were triggered by the emergency stop.	Select Alarms, then Acknowledge All. See Figure 1
4. Select the Main Menu tab and locate the E-stop alert in the upper right corner. Tap on the E-Stop Reset next to the Alert.	The E-Stop alert should disappear after pressing the reset. If it does not disappear the reset was not successful. It may be necessary to press the blue Start/Stop button located below the PLC to reset the relay. After pressing the blue button, try the E-Stop reset again. See Figure 2



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- Once the E-stop alert has cleared, return to the Treatment Train screen, and restart the system.

Figures:

Figure 1





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Figure 2

