



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)
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Chemicals

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

Procedure – Emergency Shutdown

Notes

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| 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 by 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

