

WASTE CAUSTIC/CELL LIQUOR SUPPLY SYSTEM
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CHECK	ACTION STEPS (all caps)	COMMENTS (below steps)
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Normally WTU receives waste caustic from Caustic A. This is caustic from Plt A sumps, tank car flushes, etc. Mercury Cell caustic or cell liquor is added to keep the strength of the caustic above 100 gpl. There is a drawing of the system showing important valves and both waste caustic and cell liquor pipelines.

Although the waste caustic system is normally able to deliver enough caustic to meet our needs; there are times when it cannot. In that case follow the procedure detailed below:

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| _____ | <p>1. DETERMINE WHETHER THE PROBLEM IS LOW STRENGTH OR LOW LINE PRESSURE OR BOTH.</p> <p style="margin-left: 40px;">If your flows are maxed out and it's still not enough then the strength is too low. If you cannot get adequate flow then it's likely that the line pressure is too low.</p> |
| _____ | <p>2. NOTIFY CAUSTIC A LEAD OPERATOR (PHONE 2558) THAT YOU ARE HAVING A PROBLEM THAT NEEDS CORRECTING QUICKLY AND DESCRIBE WHAT YOU FEEL IS THE NATURE OF THE PROBLEM.</p> |
| _____ | <p>3. DEPENDING ON THE RESPONSE FROM CAUSTIC YOU MAY NEED TO PUT A STRIPPER ON RECYCLE TO GIVE THEM TIME TO CORRECT THE PROBLEM.</p> <p style="margin-left: 40px;">If your tank levels allow you to put a stripper on recycle then do so. Low pH from the adjustment tanks could lead to a failure of the Equalization tanks and piping! DO NOT ALLOW A LOW PH CONDITION TO LAST FOR MORE THAN 30 MINS.</p> |
| _____ | <p>4. IF PROBLEM IS NOT CORRECTED QUICKLY ENOUGH DO NOT ALLOW A LOW PH CONDITION TO EXIST FOR MORE THAN 30 MINS. AT THAT POINT CALL EC/HCL LEAD OPERATOR (PHONE 2687) AND ASK HIM TO OPEN THE CELL LIQUOR VALVE JUST EAST OF THE EC COOLING TOWER. NOTIFY THE DERIVATIVES SHIFT SUPERVISOR ABOUT THE SITUATION.</p> |
| _____ | <p>5. ASK EC TO CLOSE THE CELL LIQUOR VALVE ONCE THE PROBLEM HAS BEEN CORRECTED.</p> |

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