PROCEDURE 85-1059: RESETTING THE FORTÉ 8790 SYSTEM AND MARSH MARKER CONNECTION

Many pulp systems utilize a Marsh marker to stencil selected data onto the bale.

The Forte bale data transmission to the marker is done without "handshake". To guarantee valid communications without "handshake" the baud rate must not exceed 2400.

 Whenever the local MARSH keyboard is used (For example, for purging the marker) the baud rate of the marker is automatically changed back to the MARSH default of 9600. This means that when the Forte system is re-connected to the marker, the baud rate of the marker must be **changed back** to 2400.

To change the baud rate:

1. Power down the Marsh marker.

2. Disconnect any FORTÉ communication cable connected to the marker.

3. Power up the marker for about ten seconds with no cable connected and then power down the marker. The MARSH marker interprets this as a need to change or check the baud rate.

4. Connect the Forte cable to the marker and power up the marker. Both the MARSH Photocell and Data-In indicators will light and then the Data-In light will go out.

5. At the FORTÉ console, with the Marker menu displayed, highlight the **INIT STRING**. This string should contain a single carriage return (either <CR> or {0D}). NOTE: On FORTÉ Windows systems, this string is found on the SETUP > DEVICES > CONFIGURE > ADVANCED CONFIG menu.

6. Depress **F8 (send string)** once to send the single carriage return signal to the marker. The marker measures the duration of the start bit to determine the baud rate and changes its baud rate accordingly. This process takes approximately 7 seconds. No other transmission should be made during this time. The Data In light will be lit if the baud rate change was successful.

7.To verify the communications between the FORTÉ console and the MARSH marker, highlight and send the Test String from the FORTÉ marker menu to the marker by again using the F8 function key. The initial character must be 04H (clear the print and entry buffers) and the final character must be 01H (load the input buffer into the print buffer). The test data must be in upper-case characters, as the marker does not recognize lower case characters as printable characters. After the test string has been sent, pass a sheet of pulp by the marker ink jets to verify the test message. NOTE: On FORTÉ Windows systems, this string is found on the SETUP > DEVICES > CONFIGURE > ADVANCED CONFIG menu.