

**SB-24-10001**

03.20.2024



**Title:** Confirming Accuracy of Mass Meter with Actual Tote Volume

**Product Line:** Spray Tender

**Model:** QuickDraw

**Level:** Public

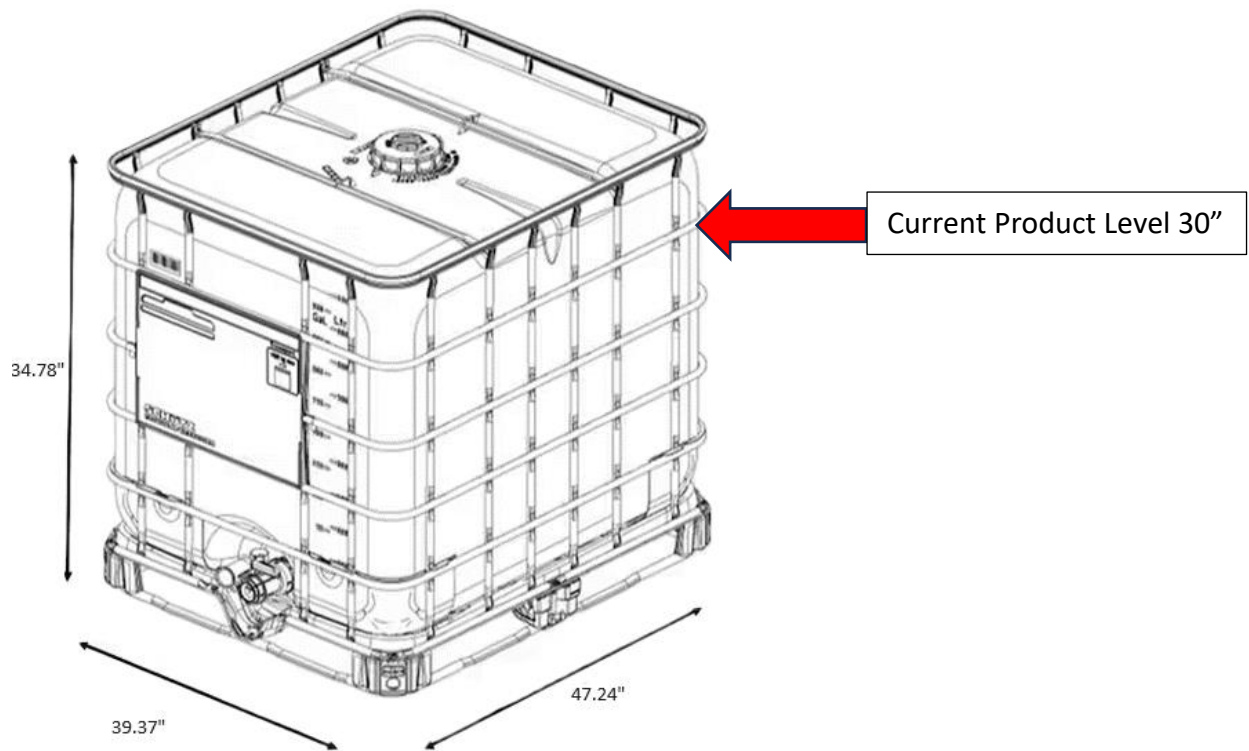
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**Overview:**

- This process will help confirm if the Mass Meter is accurately metering product in the QuickDraw 3000. This would be used when a customer wants confirmation that the Mass Meter is working correctly.

**Solution:**

- Compare Actual Tote Volume Usage to QuickDraw 3000 Product Inventory Usage by performing the following steps. This will confirm if the QuickDraw 3000 Mass Meter is working correctly.
  1. Use a marker to mark the current Product Volume in the tote.
  2. Calculate the number of tote gallons per vertical inch.
    - a. This can be done by dividing Total Tote Capacity gallons by Total Height of the Tote inches. (Total Tote Capacity gallons/ Total Height of the Tote inches)
      - i. Example: If a full tote capacity is 265 gallons and is 34.78 inches to the 265 mark.
        1.  $265 \text{ gal} / 34.78 \text{ in} = 7.62 \text{ gal/ vertical inch}$



3. Calculate the remaining amount of chemical in the tote (Actual Tote Volume)
  - a. This can be done by taking (gal/ vertical inch x Height of remaining product inches)
    - i. Example: if there is the 30 inches of actual chemical left in the tote and each vertical inch of the tote is equal to 7.62 gal
      1. 30 in. x 7.62 gal = 228.6 gal Actual Tote Volume
4. Set the Product Inventory in the QuickDraw 3000 display to match the Actual Tote Volume in the chemical tote. Inventory units must be entered in the nearest whole number. The amount left in the picture below has been set to 229 gallons.
  - a. For instructions on navigating the QuickDraw 3000 please see the QuickDraw 3000 Product Manual



# Moccasin

Tote 3

Name:

EPA ID:

Default Units: fl. Oz/Ac

Inventory ID:

Full Amount:  GAL

**Amount Left:  GAL**

Empty Alarm:  GAL

Current Recipe Information

Amount Required: 12.5 GAL

App Rate: 16.00 fl. Oz/Ac

Load Order: 4

5. Run QuickDraw Batches until at least 5 inches of chemical have been removed from the Actual Tote Volume. (The larger the sample size, the more accurate the test)
  - a. Confirm that the Actual Tote Volume matches the QuickDraw 3000 Amount Left for that Product.
6. If Actual Tote Volume does not match the QuickDraw 3000 Amount Left for that product contact Customer Support.