

TO: Lab Personnel

FROM: Keith Charles

SUBJECT: Averaging MLSS and % MLVSS Results

Effective on 3-11 shift 12/2/92, use the following method to calculate the daily MLSS and % MLVSS averages.

1. Obtain the average for basin 1 :

$$\text{Basin 1 average} = \frac{11-7 + 7-3 + 3-11}{3}$$

2. Obtain the average for the combined basin 3,4,5 sample :

$$\text{Basin 3,4,5 average} = \frac{11-7 + 7-3 + 3-11}{3}$$

3. Calculate the daily average :

$$\frac{\text{basin 1 avg} + ((\text{basin 3,4,5 avg}) \times 3)}{4}$$

<u>Example</u>	11-7	7-3	3-11
Basin 1	3300	3350	3325
Basin 3,4,5	2525	2500	2550
Basin 1 avg	$= \frac{3300 + 3350 + 3325}{3} = 3325$		

$$\text{Basin 3,4,5 avg} = \frac{2525 + 2500 + 2550}{3} = 2525$$

$$\text{Basin Daily Average} = \frac{3325 + ((2525) \times 3)}{4} = 2725$$

For the 7-3 shift on Mondays, both the combined basin 3,4,5 and the individual 3,4,5 basins are tested. Use the combined result to calculate the daily averages.

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