

ROUGH

OH.41-2

**NATIONAL LEAD COMPANY  
OF OHIO**

P. O. BOX 158, MT. HEALTHY STATION  
CINCINNATI 31, OHIO

March 30, 1954

**SUBJECT** TWO Q-11 DRUMS RECONDITIONED AT QUEEN CITY BARREL CO., CINCINNATI  
**TO** R. C. Heatherton  
**FROM** E. V. Barry  
**REFERENCE**

On Monday, March 29, the writer and Charles Yarborough visited the Queen City Barrel Co. for the purpose of observing the reconditioning of 2 30-gallon Q-11 drums and 2 55-gallon Q-11 drums. Because of size, it was impossible at the time to use the wheelabrator on the smaller size drums. The two larger drums were first straightened and then shot blasted. The results are as follows:

**Before cleaning:**

$\beta / \gamma$  12 to 18 mreps/hr; average about 14 mreps/hr  
 $\gamma$  0.7 to 0.9 mr/hr

**After cleaning:**

$\beta / \gamma$  high 0.2 mreps/hr; generally less than 0.1 mreps/hr  
 $\gamma$  high 0.06 mr/hr; generally less than 0.03 mr/hr

The area around the wheelabrator shot blaster was checked for contamination with negative results. The contamination--probably most of it-- was retained with the shot.

Because of the speed of straightening and cleaning, it was impossible to take general air samples. The ventilation in the area was good.

*J. J. Costa would like a letter approving to idea of using this method of cleaning drums. Wants the letter to come out of this department or this division preferably the letter. EVB*