

TO	R. A. Concheck	FIELD POINT OR DEPT. & BLOC. NO. Avon Lake General Chemical Plant	DATE YOUR LETTER
FROM	P. M. Zakriski	FIELD POINT OR DEPT. & BLOC. NO. Brecksville R & D Center, D/8506	DATE THIS LETTER March 4, 1976
SUBJECT	Tin in Cooling Water		

Tin in Cooling Water

25-1602

We received your water samples and were able to complete a quick and qualitative examination. With short notice we are unable to properly schedule tin analyses for precise measurement and therefore, only the quick range finding assay can be employed. The results of our testing follow.

Sample #	Finding
1	not detected, <2 mg/l tin
2	not detected, <2 mg/l tin
3	2-5 mg/l tin
4	not detected, <2 mg/l tin
5	not detected, <2 mg/l tin
6	2-5 mg/l tin
7	2-5 mg/l tin

These measurements were made with an atomic absorption spectrometer without preconcentration or digestion. Normally, we use a much more sensitive but slower colorimetric procedure. However, these measurements are in the same range as the one made for John McCool in November.

This analysis confirms the presence of tin in your cooling water. It will be necessary to resample and analyze in a more careful manner to properly identify areas of high concentration and the exact amount of tin present in various wash stream. I suggest you call me around the 20th of March to arrange for proper scheduling of your next sampling.

Paul Zakriski
Paul M. Zakriski

jb

cc: J. C. McCool
R. J. Coffey
R. M. Sandfry
R. W. McKay
W. T. Gunning
J. R. Shellenberger
W. W. Bates
W. C. Holbrook
R & D Files

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