

# CLEVELAND CRYSTALS, INC.

(216) 486-6100

TWX: 810-421-8031



September 7, 1982.

United States  
Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Attn: D.J. Sreniawski  
Chief  
Materials Radiation Protection

Dear Sir:

We have received your notice of noncompliance. We have caused corrective measures to be taken as outlined below. However, I must point out that the notice of violation is incorrect, when it states that no test for leakage or contamination were made for an interval of over six months. That was incorrect. Two such tests were made, each at an interval of less than six months from the previous one. The problem was that they were not of an acceptable form according to the inspector, Mr. Slawinski, and we accept that criticism. We do not accept the statement that no tests were made. There may be no practical difference in the regulations between the two statements but there is a great deal of difference in our mind between them. Please note our exception to the notice of violation.

1: After considerable effort, we have located a tester for our source who will test as per your regulations. The firm name is:

Health Physics Associates  
3304 Commercial Avenue  
Northbrook, Illinois 60062

We have delayed our response to your notice of violation so that we could include the results of their test. As may be seen by their report (copy enclosed) the results were completely negative, as predicted by our in-house tests.

2: We shall continue to have these tests made semi-annually as requested.

3: Full compliance was achieved as of August 26, 1982.

Yours truly,

*William R. Cook, Jr.*  
William R. Cook, Jr.  
Secretary

**MAIL: BOX 3157, CLEVELAND, OHIO 44117**

**PLANT: 19306 REDWOOD AVENUE, CLEVELAND, OHIO 44110**

SEP 10 1982



CERTIFICATE OF RADIOA

HEALTH PHYSICS ASSOCIATE

3304 COMMERCIAL AVENUE / NORTHBROOK

HEALTH PHYSICS ASSOCIATES  
3304 COMMERCIAL, NORTHBROOK, IL 60062

This is to certify that the results of this test did not indicate the presence of .005 microcuries of removable contamination on the source(s) contained in this instrument.  
In compliance with NRC and/or State Regulations, this source must be leak tested again on or before 2/23/83 Date.



LEAK TEST  
CERTIFICATE

# 0853  
DATE TESTED 8/23/82

Name Cleveland Crystals, Inc.  
Address 19306 Redwood Ave.  
City Cleveland State Ohio Zip 44110

Expiration Date 2/28/86  
State License # \_\_\_\_\_  
Expiration Date \_\_\_\_\_

Equipment Manufacturer Isotope Products Lab Model No. AN-241-10 Serial No. \_\_\_\_\_  
Isotope Americium-241 Curriage 10 milli C. Date 7/1/81 Source Serial No. \_\_\_\_\_  
Individual performing test William R. Cook Jr Date 8/23/82

This test was performed in accordance with H.P. Associates instructions included in this kit, No. HP-B-31  
0853

William R Cook Jr  
(Signature of Individual Performing Test)

(To be filled out by Health Physics Associates)

DATE SAMPLE RECEIVED 8/26/82 DATE SAMPLE PROCESSED 8/27/82

TEST DATA

Sample	CPM (Net)	Microcuries
1	M	M
2	M	M
3	M	M
Standard <u>Am 241</u>	<u>31261</u>	<u>0.0296</u>

CPM — Counts Per Minute Detected

M — Less than 0.0001 Microcuries

CONCLUSION:

Results of this test do not indicate the presence of reportable removable radioactivity. In accordance with prevailing regulations, this test should be performed again before 2/23/83

RECEIVED SEP 2 1982

Joe Dulacini  
Approved for Health Physics Associates