



**Chevron U.S.A. Inc.**  
1200 State Street, Perth Amboy, NJ 08861

C. L. Orman  
Refinery Manager  
Perth Amboy Refinery

April 2, 1985

INSPECTION NO. 030-05365/85-01

United States Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

Attention: Mr. J. D. Kinneman, Chief  
Nuclear Materials Safety Section A  
Division of Radiation Safety and Safeguards

Gentlemen:

This letter is in reply to yours of March 19, 1985, in which you notified us of two deficiencies on our part:

1. failure to calibrate dosimeters and survey meters, and
2. no record of semi-annual leak tests having been performed for three laboratory analyzers.

In responding to these deficiencies, we wish to note that since June 1983 our radiological work has been limited to performing wipe tests on various sealed sources and to the use of the above mentioned laboratory instruments. We have, in fact, been performing the wipe tests mentioned above and forward herewith a summary of results obtained since March 1984.

As to the first deficiency, because of our relative inactivity in the radiological field, we had, indeed, not given the dosimeters and survey meters the required attention. We have now arranged to have 1 survey meter and 2 dosimeters calibrated. We note further, however, that we have applied for, and received, a permit to dispose of all of our radioactive materials except for the laboratory instruments, which are carried on the manufacturer's license (and wipe-tested annually by him). It is our intention, after disposing of the sources, to request that our license be terminated. We expect this to be completed by July 1985.

Please advise if any further response is required.

Very truly yours,

C. L. Orman

FFB:ams  
Attachment

8506050774 850514  
REG1 LIC30  
29-09470-01 PDR

**SEALED SOURCE "WIPE TEST" CERTIFICATION**

EQUIPMENT: MODEL 100 UNIT SN 711

**CUSTOMER ADDRESS:**

CHEVRON USA  
1200 STATE ST.  
PERTH AMBOY, NJ 08861

WIPE TEST PERFORMED ON 3/16/84 BY AL TENAGLIA

WIPE TEST CONTAMINATION ANALYSIS PERFORMED ON 4/6/84  
BY AL TENAGLIA

RADIATION LEVELS FOUND TO BE LESS THAN .005  $\mu$ Ci

TYPE OF SOURCE: CD 109

ACTIVITY: 4 mCi

SOURCE SN: D 2678

*R. Brennan*

AUTHORIZING SIGNATURE



PRINCETON GAMMA-TECH

1200 State Road • Princeton, N.J. 08540  
Telephone 609-924-7310 • Tlx: 843486

## SEALED SOURCE "WIPE TEST" CERTIFICATION

EQUIPMENT: MODEL \_\_\_\_\_ 100 \_\_\_\_\_ UNIT SN 711

CUSTOMER ADDRESS:

CHEVRON U.S.A.  
1200 STATE STREET  
PERTH AMBOY, NJ 08861

WIPE TEST PERFORMED ON 3/15/84 BY AL TENAGLIA

WIPE TEST CONTAMINATION ANALYSIS PERFORMED ON 4/6/84  
BY AL TENAGLIA

RADIATION LEVELS FOUND TO BE LESS THAN .005  $\mu$ Ci

TYPE OF SOURCE: FE 55

ACTIVITY: 50 mCi

SOURCE SN: 1157 LE

AUTHORIZING SIGNATURE

# WIPE TESTS OF RADIOACTIVE SOURCES

Chevron Research Company

This is to advise you that 9 wipe tests have been sent to you under separate cover. These wipe tests were made May, 1984 at the following locations:

Wipe No.	Source Type	Strength mCi	Location	Activity nCi
1	Cs 137	50	East Yard 731 Tank Level Alarm	<u>&lt;0.01</u>
8	Ra 226	10	Cat Cracker "A" Unit #2 (BTM) Disengager Gagetron	<u>&lt;0.01</u>
9	Ra 226	3	Cat Cracker "A" Unit # 3 (TOP) Disengager Gagetron	<u>&lt;0.01</u>
10	Ra 226	7	Cat Cracker "B" Unit #2 (BTM) Disengager Gagetron	<u>&lt;0.01</u>
11	Ra 226	2	Cat Cracker "B" Unit #3 (TOP) Disengager Gagetron	<u>&lt;0.01</u>
14	Ra 226	1.1	Calibration Source	<u>0.08</u>
15	Am 241	14	Lab XRA Analyzer #1 Cat Cracker Lab	<u>—</u>
16	Am 241	14	Lab XRA Analyzer #2 North Process Cont. Cen. Lab	<u>—</u>
17	Cd 109	3	Lab PGT Analyzer Shops Bldg. Laboratory	<u>&lt;0.01</u>
18	Fe 55	50	Lab PGT Analyzer Shops Bldg. Laboratory	<u>&lt;0.01</u>
19	Cd 109	50	Lab PGT Analyzer <del>North Process Laboratory</del> Shops Bldg.	<u>&lt;0.01</u>
20	Fe 55	50	Lab PGT Analyzer Shops Bldg. Laboratory	<u>&lt;0.01</u>

Chevron U.S.A. Inc.  
1200 State St.  
Perth Amboy, NJ 08861  
Date: \_\_\_\_\_

Chevron U.S.A. Inc.:

The results of the wipe tests taken on the above date are as indicated above.

Chevron Research Company  
576 Standard Ave.  
Richmond, CA 94804  
Date: \_\_\_\_\_

all large  
as Perth  
Amboy -  
Returned to  
manufacturer

Source not monitored  
for replacement



# WIPE TESTS OF RADIOACTIVE SOURCES

Chevron Research Company

This is to advise you that 9 wipe tests have been sent to you under separate cover. These wipe tests were made November, 1984 at the following locations:

Wipe No.	Source Type	Strength mCi	Location	Activity nCi
1	Cs 137	50	East Yard 731 Tank Level Alarm	<u>&lt; 0.01</u>
8	Ra 226	10	Cat Cracker "A" Unit #2 (BTM) Disengager Gagetron	<u>&lt; 0.01</u>
9	Ra 226	3	Cat Cracker "A" Unit # 3 (TOP) Disengager Gagetron	<u>&lt; 0.01</u>
10	Ra 226	7	Cat Cracker "B" Unit #2 (BTM) Disengager Gagetron	<u>&lt; 0.01</u>
11	Ra 226	2	Cat Cracker "B" Unit #3 (TOP) Disengager Gagetron	<u>&lt; 0.01</u>
14	Ra 226	1.1	Calibration Source	<u>0.05</u>
15	Am 241	14	Lab XRA Analyzer #1 Cat Cracker Lab	<u>—</u>
16	Am 241	14	Lab XRA Analyzer #2 North Process Cont. Cen. Lab	<u>—</u>
17	Cd 109	3	Lab PGT Analyzer Shops Bldg. Laboratory	<u>&lt; 0.01</u>
18	Fe 55	50	Lab PGT Analyzer Shops Bldg. Laboratory	<u>&lt; 0.01</u>
19	Cd 109	50	Lab PGT Analyzer <del>North Process Laboratory</del> <del>Shops Bldg</del>	<u>&lt; 0.01</u>
20	Fe 55	50	Lab PGT Analyzer Shops Bldg. Laboratory	<u>&lt; 0.01</u>

Chevron U.S.A. Inc.  
1200 State St.  
Perth Amboy, NJ 08861  
Date: \_\_\_\_\_

Chevron U.S.A. Inc.:

The results of the wipe tests taken on the above date are as indicated above.

Chevron Research Company  
576 Standard Ave.  
Richmond, CA 94804  
Date: \_\_\_\_\_

No longer  
at Perth  
Amboy -  
Returned to  
manufacturer

Source at manufacturer  
for replacement



PRINCETON GAMMA-TECH

1200 State Road • Princeton, N.J. 08540  
Telephone 609-924-7310 • Tlx: 843486

## SEALED SOURCE "WIPE TEST" CERTIFICATION

EQUIPMENT: \_\_\_\_\_ MODEL 100 \_\_\_\_\_ UNIT SN 285

### CUSTOMER ADDRESS:

CHEVRON USA INC.  
1200 STATE RD.  
PERTH AMBOY, NJ 08861

WIPE TEST PERFORMED ON 12-7-84 BY AL TENAGLIA

WIPE TEST CONTAMINATION ANALYSIS PERFORMED ON 12-21-84  
BY AL TENAGLIA

RADIATION LEVELS FOUND TO BE LESS THAN .005  $\mu$ Ci

TYPE OF SOURCE: Fe-55

ACTIVITY: 50 mCi

SOURCE SN: F1304

*Det. Quenna/dp*

AUTHORIZING SIGNATURE