

S. Baggett NMSS

OCT 28 1985

Dow Chemical U.S.A.
Old Route 52
Ironton, OH 45638

Gentlemen:

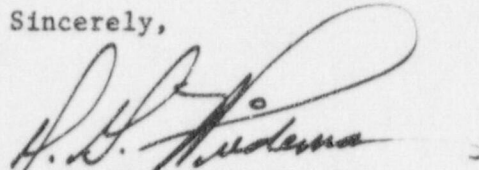
MEMO
As a result of the inspection conducted on July 19 to August 23, 1985, a Form NRC-5 , SAFETY INSPECTION, is issued for your NRC general license. You will note that this form indicates that no item of noncompliance was found. It is not necessary that you acknowledge receipt of this form.

The enclosed copy of our inspection report identifies areas examined during the inspection. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations, and telephone interviews with your personnel.

If you have any questions or require clarification on any of the information stated above, you may contact us at (312) 790-5616.

Thank you for your cooperation.

Sincerely,



D. G. Wiedeman, Chief
Nuclear Materials Safety
Section 1

Enclosure: As stated

bcc w/encl:
L. Cobb, OIE
S. Baggett, NMSS

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PDR RC *
SSD PDR

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GENERAL LICENSE GAUGE DATA COLLECTION FORM

1. Name and Address of General Licensee:

Dow Chemical U.S.A
Old Route 52
Ironton, OH 45638
(614) 533-4115

2. Principal Business of Licensee:

Chemical Manufacturer

3. Purpose for which gauge(s) are used (e.g., measurement of level, density, flow, thickness, etc.):

Density

4. Gauge Specifics:

- a. Manufacturer: Measurex Corporation
- b. Model Number: 2202
- c. Isotope/Activity: Strontium-90/50 millicuries
- d. Date Received: April 16, 1980
- e. Date Replaced: N/A

5. Name of specific licensee that installed gauge:

Measurex Corporation

6. Does the gauge have a durable, legible and visible label:

Yes

7. Was an Initial Radiation Survey performed at time of installation and do they have a record (list results) NOTE: records only required for 2 year period:

N/A. Past two years since installation.

8. Leak Tests:

- a. Have the tests been performed (list results):

Yes. Less than 5 nanocuries

- b. Name of firm/person conducting test:

Measurex Corporation and Dow Chemical U.S.A.

- c. Are records available of tests (list date of last test):
NOTE: records only maintained for 2 years

Yes. April 9, 1985; October 30, 1984; April 4, 1984;
January 24, 1984.

9. Operational Test of Gauge:

- a. Have any tests been performed of the on/off mechanism:

Shutter-OK

- b. Name of firm/person who performed test:

Measurex Corporation and Dow Chemical U.S.A.

- c. Are records maintained of tests (list dates):

April 9, 1984; October 30, 1984; April 4, 1984; January 24, 1984

10. Has the gauge been moved from it's original location? If so, by whom:

No

11. Does the licensee have personnel who are responsible for assuring compliance with the General License Conditions (10 CFR 31, 31.5(c) (1 through 10):

Yes. Myron Martin-Industrial Hygiene

12. Has the licensee made any transfers of gauges:

No

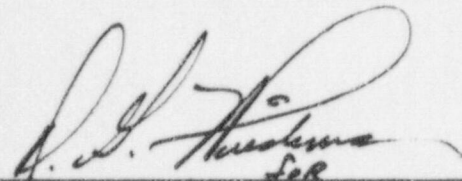
13. Name and Address of Gauge Manufacturer:

Measurex Corporation
One Results Way
Cupertino, CA 95014

14. Onsite inspection of gauge(s) (list observations/measurements):

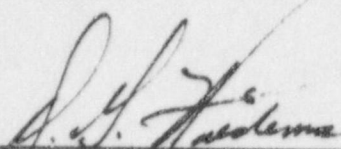
N/A

15. Name of ORAU Reviewer


Boyd C. Williams

10-28-85
Date

16. Signature and Date of NRC Reviewer



D. G. Wiedeman, Chief
Nuclear Materials Safety Section 1

10-28-85
Date