

Inspection Notes
~~SPECIAL LIMITED INSPECTION~~

1. Name and address of licensee

Union Carbide Corporation
Chemicals and plastic division
Technical Center, P.O. Box 8361
South Charleston, West Va. 25303

2. Date of inspection

9/24/70

3. Type of inspection

Initial

4. License number(s), docket number(s), number and date of last amendment for each license. Category and Priority of each license

47-00260-09 no amendments

E, ~~II~~ III

5. Date of previous inspection

none

6. Is "Company Confidential", or proprietary, or classified information contained in report?

(Specify paragraphs)

Yes _____ No ☒

7. Scope of inspection

Covered all aspects of the licensee's program

8.

Paul R. Quinn
Inspector

A. J. Littlewood
Reviewer

10/23/70

Date of Report

10/23/70

Date of Review

A-127

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Summary Personnel exposure to external radiation have been negligible. No exposure to concentrations of licensed materials have occurred. No effluents have been released to unrestricted areas. Radiation levels in unrestricted areas have not exceeded 10 CFR 20 limits. No high radiation levels have been encountered. No repairs have been made.

Noncompliance and Safety Items

None

Unusual Occurrences

None

Status of Previously Reported Noncompliance or Safety Items

No previous inspection

Management Interview

Reviewed inspection results with H. R. Guest, Asst. Director Research & Development. Informed him that no items of noncompliance or safety items had been noted during the inspection.

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DETAILS

A. Participants

R.V. Sealey, Senior Engineer
 Fred Williams, RSD
 C.R. Landfield, Nuclear Engineer

accompanied by Robert
 Norton, West Va. Bureau of
 Industrial Hygiene.

B. Scope of License Program

Will be performing 210 and American 251 in
 running tests on steel vessels to check on Carbon
 buildup. Program is just getting underway. Most
 of the work will be field type work at various
 plants owned by Union Carbide.

C. Organization

S.H. Rose Jr, Director, Engineering
 F.A. Wooley, Assoc. "
 R.V. Sealey, Senior Engineer
 Fred Williams, RSD

D. Administrative Control

Used by one or more of authorized users - wear film badge
 containing beta-gamma & neutron films. Have written
 procedures covering use & control.

E. Use of Material

See ~~attached~~ inventory sheet in -2 folder
 Have 950 mCi of Am-Be source on hand. Merely
 running tests at present time - program is just
 now getting underway - last leak test on 6/6/70
 no leakage above 0.001 μ ci. also have a 0.1 μ ci
 source on hand for calibration use.

F. Facilities

Is in Bldg 777 - also store in this location -
Have shipping list from which is used for storage.

G. Equipment

Have numerous radiation detectors - beta-gamma, &
neutron detector. Also have monitor which is on
at all times in lab - Health physicist also has
additional survey equipment.

H. Radiological Safety Procedures

Survey made during work & storage - Daily survey -
made when route is in use by the Carbonyl
unit - More detailed survey made by RSO
including the leak test. All personnel using the
AM-Be route wear film badges containing beta-gamma
and neutron film.

I. Personnel Monitoring and Exposure to External Radiation

Nuclear change film badges worn by all personnel
on a monthly service basis. All results kept on
form AEC-5's - Record showed highest exposure
to date was 17 mrem for any one month period.

J. Exposure of Employees to Concentrations of Radioactive Materials

None

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K. Effluents to Unrestricted Areas

None

L. Disposals

no disposals to date

M. Miscellaneous Surveys, Evaluations, and Records

Have made runway Ground Pen - see notes + have
conducted leak tests. Keep records of results on hand.

N. Special License Conditions

Lic bond 13 Leak tests being conducted as required

O. Posting and Labeling

as required by 10CFR 20.203

Form AEC-3's posted in accordance with 10CFR 20.206(c).

Licensee

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P. Independent Measurements

none

Q. Operations Observed

none

R. Incidents, Overexposures, Theft or Loss, Equipment Malfunction

none

S. Other Information or Continuation from Previous Paragraphs

none

October 23, 1940

To: J. H. H. T. Switzerland
Union Carbide Corporation
Region II Division of Compliance

Subject: Inspection Opinion and Evaluation
Union Carbide Corporation
South Charleston, West Va.

License Nos: 77-260-2, -6, and -9.

Inspection of the activities under the three
licenses revealed that good control and reasonable
safety practices are being followed during the use of
licensed materials. Personnel are well-trained
in handling techniques. The license has a good
check system staff of highly trained people
who have up to 20 years experience in radiation
safety. Licensed materials are adequately secured
against unauthorized removal.

Paul R. Green
Radiation Specialist

JH
10/23/40