

INSPECTION REPORT NO. 80-01

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Attached

☐ Appendix A

☐ Appendix B

☐ Appendix C

☐ Memo

Union Carbide Corp.
P.O. Box 8361
So. Charleston, WV 25303

Licensee contact: Fred Staccia Telephone no.

License no. 47-260-09 Last amendment and date #11 10/20/78

Category: E and Priority: III, as of last amendment.

Inspection date(s): 8/6/80 Type of inspection: Extra - unannounced

SUMMARY OF FINDINGS AND ACTION

☒ No noncompliance, clear 591 issued

☐ Noncompliance, Appendix A

☐ Action on previous noncompliance, Appendix B

☐ Noncompliance, 591 issued

☐ Regional action HQ action

☐ Supplemental info, Appendix C

RECOMMENDATION

See basis in Appendix C or attached memo.

☐ Change Category to: ☐ Change Priority to:

☐ Next inspection date: 2/83

PERSONS CONTACTED

<u>B. Becker</u>	<u> </u>
<u>F. Staccia</u>	<u> </u>
<u>D. Allport</u>	<u> </u>
<u>J. Burbaker</u>	<u> </u>

Inspector: Robert G. Brown 8/12/80
Approved: J.H. Peltier 8/18/80

A-155

Plan approved. - Date: Licensee: Union CarbideLicense no: 47-260-9

Inspection Items	Scheduled for Inspection	Post-Inspection Status	Module no.	TEE Time Info
Management meeting - Entrance and Exit Interviews (REQUIRED)	✓		90700E	30 min
Initial Management Meeting				
Program requirements, No 2E (REQUIRED)	✓		77710B	1 1/2 hr.
Licensee Event Followup			92700E	
Followup on Inspector-identified problems			92701E	
Followup on Noncompliance and Deviations			92702E	
IE Bulletin/Immediate Action Letter Followup			92703E	
Followup on Headquarters Requests			92704E	
Followup on Regional Requests			92705E	
Independent Inspection Effort (REQUIRED)	✓		92706B	1 hr.
Inspector Dispatched to Site			93700E	
Followup on Significant Event Occurring During Inspection			93701B	

R.D. Stief - Director of Engineering

|
J.H. Brubaker - RPO

F.P. Straccia - Rad. Protection Engineer

D.G. Allpat - Rad. Prot. Tech.

W.K. Becher - Nuclear Applications Tech.

J.A. Boggess - " " "

M.L. Green - " " "

C.R. Harolfried - Group leader

AREAS INSPECTED AND FINDINGS

Licensee: Union Carbide Corp License no: 117-268-9 Agency no: 11

INSPECTION ITEMS	CRITERIA	FINDINGS
1. <u>Organization</u>	Lic Cond <u> </u>	<u>OK</u>

Management organization.
Radiation protection organization.

See opposite page.

NOTES & REMARKS:

2. <u>Licensee internal audits</u>	Lic Cond <u> </u>	<u>OK</u>
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Scope and frequency.
Management controls.

*Radiation Safety Comm. meets
every 6 months - minutes recorded.*

NOTES & REMARKS:

3. <u>Training and instructions to employees</u>	Lic C <u> </u>	<u>OK</u>
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Training program, scope and frequency,
retraining.

Lic Cond

Required tests administered; scores
satisfactory.

Instructions to workers.

18.12

NOTES & REMARKS:

*All users have a number of years of
training at various places. Union Carbide also
has periodic rad. safety classes. See application.*

4. <u>Radiation protection procedures</u>		<u>OK</u>
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Operating & emergency procedures
implemented.

Lic Cond

Security.

20.201

"Tech. Center Radiological Control Manual"

NOTES & REMARKS:

Union Carbide
plants { Seadrift Plant, Port La Vaca, TX
Notify states { Hahnville, La.
before sending { Ponce, P. R.
sources

Ethylene Oxide reactors,
test for carbon build-up

AREAS INSPECTED AND FINDINGS

Licensee: Union Carbide License no: 100-260-2 Agreement no: 11

INSPECTION ITEM	CRITERIA	FINDINGS
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5. Materials, facilities and instruments OK

Authorized uses and quantities.

Lic Cond

Restricted areas, posting requirements.

20.203

Survey instruments & dosimeters; operable, properly calibrated.

Lic Cond

NOTES & REMARKS:

Lea 2.39 Ci Am²⁴¹

Lea 1.93 Ci "

Lea 0.1 mCi "

See opposite page
for places of use.use in
3 or 4 times a year6. Receipt and transfer of materials OK

Procedures implemented, adequate.

20.205, 71.51

Transfer of byproduct material.

30.41

Labeling and packaging.

71.5, 49CFR 170-125

Records of receipt, transfer, storage, survey, and monitoring

30.51

NOTES & REMARKS:

Receipt records on hand, Transfer records on hand, state notifications.

7. Personnel protection - external OK

Personnel monitoring control; minimize exposures, control of accumulated dose.

20.101, 20.102, 20.202

Surveys conducted; adequate.

20.201

Records of monitoring, surveys, disposals.

20.401, Lic Cond

Levels in unrestricted areas.

20.1, 20.105

NOTES & REMARKS:

1 on each
badges → monthly
past 1 1/2 yrs, no
mention exposure,
gamma; max. = 60 mrem.8. Personnel protection - internal OK

Airborne concentrations in restricted areas.

20.103

Exposure of minors.

20.104

Posting of airborne radioactivity areas.

20.203

Survey, monitoring requirements; records.

20.201, 20.401

Lost tests of sealed sources.

Lic Cond

NOTES & REMARKS:

Sources leak tested
before being sent in
job. When in
Charleston, they're
in storage.
Records kept.

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AREAS INSPECTED AND FINDINGS

Licensee: Union Carbide License no: 47-260-9 Amendment no: 11

INSPECTION ITEM	CITERIA	FINDINGS
9. Effluent control, waste disposal		<u>OK</u>
Release of effluents.	20.101	
Waste disposal.	20.301, 20.303, 20.304, 20.305	
Procedures, records.	20.401, Lic Cond	

NOTES & REMARKS:

No waste produced

10. Shipping, shipping incidents		<u>OK</u>
Programmer and pickup, receipt, monitoring of	20.205(b) & (c)	
declares:		
Transportation of licensed material.	71.5	
Incidents, reports, corrective actions.	49CFR 170-185	

NOTES & REMARKS:

No incidents during transportation.

11. Notifications and reports		<u>OK</u>
To individuals.	19.13	
Overexposures, excessive levels & concentrations,	20.403, 20.405	
incidents.		
Personnel exposures and monitoring, termination	20.407, 20.408	
reports.		
Theft or loss of licensed material.	20.402	

NOTES & REMARKS:

None required

12. Posting of notices		<u>OK</u>
Part 20, license & documents, procedures,	19.11(a)	
notice of violations.		
SEC-2.	19.11(c)	

NOTES & REMARKS:

All areas properly posted.

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AREAS INSPECTED AND FINDINGS

Licensee: Union Carbide License no: 417-260-9 Amendment no: 11

INSPECTION ITEM	CRITERIA	FINDING
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13. Environmental monitoring program

Lic Cond

Implementation of program, scope and frequency as required.
Records maintained, reviewed by management.

NOTES & REMARKS:

14. Emergency preparedness

Lic Cond

Procedures available for incidents and accidents.
Training for personnel; coordination with supporting groups and agencies.

NOTES & REMARKS:

15. Other license conditions

Lic

NOTES & REMARKS:

16. Confirmatory measurements

Licensee's surveys verified on sampling basis.

20.105, 20.201

NOTES & REMARKS:

17. Independent inspection effort

OK

NOTES & REMARKS:

work. 35 member at surface of shipping container:
with Combico PNR-4 (licences)
Also discussed DOT requirements.