

INSPECTION REPORT NO. 83-01

Attached

Union Carbide - Tech Center  
P.O. Box 8361  
Ss. Charleston, WV 25303

- Appendix A
- Appendix B
- Appendix C
- Memo

Licenses contact: Mike Green Telephone no. \_\_\_\_\_

License no. 47-00260-09 Last amendment and date: \_\_\_\_\_

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

Inspection date(s): 5/16/83 Type of inspection: Routine - unannounced

SUMMARY OF FINDINGS AND ACTION

- In compliance, Clear 59: issued
- Noncompliance, Appendix A
- Action on previous noncompliance, Appendix B
- Noncompliance, 59: issued
- Regional action
- Supplemental info, Appendix C

RECOMMENDATION

See basis in Appendix C or attached memo.

- Change Category to: \_\_\_\_\_
- Change Priority to: \_\_\_\_\_
- Next inspection date: 5/18/83

PERSONS CONTACTED

<u>M. Green</u>	_____
_____	_____
_____	_____
_____	_____

Inspector: Robert A. Brown

5/16/83

Approved: [Signature]

5/24/83

A-158

Plan approved:            - Date:           

Licensee: Union Carbide

License no: 47-00260-09

Inspection Item	Scheduled for Inspector	Post-inspector Status	Module no.	765 Time Info
Management Meeting - Entrance and Exit Interviews <i>(REQUIRED)</i>			92703E	
Initial Management Meeting				
Program requirements, MC 2E <i>(REQUIRED)</i>	✓		77710B	1 hr.
Licensee Event Follow-up			92703E	
Follow-up of Inspector-identified problems			92701B	
Follow-up of Noncompliance and Deviations			92703E	
IE Bulletin/Immediate Action Letter Follow-up			92703E	
Follow-up of Headquarters Requests			92704E	
Follow-up on Regional Requests			92705E	
Independent Inspection Effort <i>(REQUIRED)</i>	✓		92706B	1/4 hr.
Inspector Dispatched to Site			93700E	
Follow-up on Significant Event Occurring During Inspection			93701B	

AREAS INSPECTED AND FINDINGS

Licensee: Union Carbide License no: 47-002609 Agency no:     

INSPECTION ITEMS	CRITERIA	FINDING
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1. Organization Ltc Cond      OK

Management organization.  
Radiation protection organization.

See opposite page -  
for more detail see other  
U.C. licenses.

NOTES & REMARKS:

2. Licensee internal audits Ltc Cond      OK

Scope and frequency.  
Management controls.

Formal audits not required

NOTES & REMARKS:

3. Training and instructions to employees Ltc C      OK

Training program, scope and frequency.  
Retraining.  
Required tests administered; scores  
satisfactory.  
Instructions to workers.

Ltc Cond       
18.72

All users have years of OJT +  
experience. U.C. also has periodic rad. safety  
classes.

NOTES & REMARKS:

4. Radiation protection procedures Ltc Cond      OK

Operating & emergency procedures  
Securities.  
Security.

Ltc Cond       
18.207

Procedures used are contained in the  
application's Tech Center "Radiological  
Control Manual"

NOTES & REMARKS:

AREAS INSPECTED AND FINDINGS

Licensee: Ureco, Inc. License no: 47-260-9 Agency no: \_\_\_\_\_

INSPECTION ITEM	CRITERIA	FINDINGS
<b>5. Materials, facilities and instruments</b>		
Authorized uses and quantities.	Lic Cond _____	OK Several monitoring instruments available
Restricted areas, posting requirements.	20.203	
Survey instruments & dosimeters; operable, properly calibrated.	Lic Cond _____	
NOTES & REMARKS:	1 -> Am <sup>241</sup> 2.39 Ci from Missouri Used in training at plant - used by an authorized user from St. Charles.	
<b>6. Receipt and transfer of materials</b>		
Procedures implemented, adequate.	20.205, 71.51	OK Procedures followed.
Transfer of byproduct material.	20.41	
Labeling and packaging.	71.5, 49 CFR 170-185	
Records of receipt, transfer, storage, survey, and monitoring	20.51	
NOTES & REMARKS:	State certificate shipped via air freight to Mo.	
<b>7. Personnel protection - external</b>		
Personnel monitoring control; minimize exposures, control of accumulated dose.	20.101, 20.102, 20.202	OK Lardner FR'S - Neutron film - No reasonable specifications.
Surveys conducted, adequate.	20.201	
Records of monitoring, surveys, disposals.	20.401, Lic Cond _____	
Levels in unrestricted areas.	20.1, 20.105	
NOTES & REMARKS:		
<b>8. Personnel protection - internal</b>		
Airborne concentrations in restricted areas.	20.103	OK Leak test okay 6 months - records kept. last done 3/30/83
Exposure of minors.	20.104	
Posting of airborne radioactivity areas.	20.203	
Survey, monitoring requirements; records.	20.201, 20.401	
Leak tests of sealed sources.	Lic Cond _____	
NOTES & REMARKS:		

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AREAS INSPECTED AND FINDINGS

Licensee: Union Carbide

License no: 47-200-9 Agency no:     

INSPECTION ITEM	CRITERIA	FINDINGS
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9. Effluent control, waste disposal

OK

Release of effluents.	20.106
Waste disposal.	20.301, 20.303, 20.304, 20.305
Procedure, records.	20.401, Lic Cond <u>    </u>

NOTES & REMARKS:

*No waste produced.*

10. Shipping, shipping incidents

OK

Procedures and pickup, receipt, monitoring of records.	20.205(b) & (c)
Transportation of licensed material.	71.5
Incidents, reports, corrective actions.	49CFR 170-185

NOTES & REMARKS:

*No shipping incidents.*

11. Notifications and reports

OK

To individuals.	18.13
Overexposures, excessive levels & concentrations, incidents.	20.603, 20.605
Personnel exposures and monitoring, termination reports.	20.607, 20.608
Theft or loss of licensed material.	20.602

NOTES & REMARKS:

*No notifications or reports required.*

12. Posting of notices

OK

Part 20, license & documents, procedures, notice of violations.	19.11(a)
19C-3.	19.11(c)

NOTES & REMARKS:

*All areas properly posted.*