

LICENSE NO: 29-00505-15

DOCKET NO. (s) 30-11243

PAGE _____ OF _____

ATTACHED

- ☐ Appendix A
☐ Appendix B
☐ Appendix C
☐ Memo

INSPECTION REPORT NO. _____

Mobil Research & Development Corp
Pennington - Rky Hill Rd Pennington, LS

LICENSEE CONTACT: JR Meeks

Telephone No: 609-737-3000

LICENSE NO: 29-00505-15

CATEGORY E PRIORITY: 4

CATEGORY _____ PRIORITY: _____

CATEGORY _____ PRIORITY: _____

INSPECTION DATE (s): 11/29/82

TYPE OF INSPECTION: ☐ SPECIAL ☐ ANNOUNCED
☒ ROUTINE ☒ UNANNOUNCED
☒ DAYSHIFT
☐ OTHER

SUMMARY OF FINDINGS AND ACTION

- ☐ NO NONCOMPLIANCE, CLEAR 591 ISSUED
☐ NO NONCOMPLIANCE, LETTER
☐ NONCOMPLIANCE, APPENDIX A

- ☒ ACTION ON PREVIOUS NONCOMPLIANCE,
APPENDIX B clear
☐ NONCOMPLIANCE, 591 ISSUED
☐ SUPPLEMENTAL INFO, APPENDIX C

RECOMMENDATIONS
SEE BASIS IN APPENDIX C

- ☐ CHANGE CATEGORY TO: _____
☒ NEXT INSPECTION DATE: 11/85 phone.

☐ CHANGE PRIORITY TO: _____

PERSONS CONTACTED

LOUIS Rollman, Manager, Lubrication &
Resources Science Group

9705050250 970425
PDR FOIA
MARSHAK97-111 PDR

INSPECTOR: [Signature]

APPROVED: [Signature]

12/2/82

12/19

2705050250

Mobil

LOUIS DEANE ROLLMANN

MANAGER, LUBRICATION
AND RESOURCES SERVICE GROUP

MOBIL RESEARCH AND DEVELOPMENT CORPORATION

CENTRAL RESEARCH DIVISION

POST OFFICE BOX 1025

PRINCETON, NEW JERSEY 08540

(609) 737-3000

INSPECTION PLAN AND REPORT NUMBER _____ Page _____ of _____

Plan Approved: _____ Date: _____

Licensee: _____ License No. _____

Inspection Items	Scheduled for Inspection	Post Inspection Status	Module No.
Management Meeting - Entrance and Exit Interviews (Required)	✓	✓	30703B
Program Requirements, MC 2850 (Required)	✓	✓	77710B
Followup on Noncompliance and Deviations	—		92702B
Independent Inspection Effort (Required)	✓	✓	92706B
Transportation			86740B

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEMS	CRITERIA	FINDING
1. <u>Organization</u>	Lic Cond _____	<u>C</u>
Management organization?		
Radiation Protection Organization?		
Scope of Operation?		
NOTES & REMARKS:	Dr. Rollman is exclusively - in charge of the storage of licensed materials (see Appx C)	
2. <u>Licensee Internal Audits</u>	Lic Cond _____	<u>C</u>
Scope and frequency?		
Management controls?		
NOTES & REMARKS:		
3. <u>Training and Instructions to Employees</u>		<u>C</u>
Training program, scope and frequency, retraining?	Lic Cond _____	
Required tests administered; scores satisfactory?		
Instructions to workers?	19.12	
NOTES & REMARKS:	Dr. Rollman appears to be knowledgeable in radioisotope work & the appropriate precautions	
4. <u>Radiation Protection Procedures</u>		<u>C</u>
Operating & emergency procedures implemented?	Lic Cond _____	
Security?	20.207	
NOTES & REMARKS:	All material is stored in a locked drawer	
5. <u>Materials, Facilities and Instruments</u>		<u>C</u>
Authorized uses and quantities?	Lic Cond _____	
Restricted areas, posting requirements?	20.203	
Survey instruments & dosimeters; operable, properly calibrated?		
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
6. <u>Receipt and Transfer of Materials</u>		<u>n/a</u>
Procedures implemented, adequate?	20.205, 71.51	
Transfer of byproduct material?	30.41	
Control of source material,	40.51, 40.64, 70.42, 70.51, 70.53, 70.54	
Labeling and packaging?	71.5, 49CFR 170-189	
Records of receipt, transfer, storage, survey, and monitoring?	30.51	
Procedures for pickup, receipt, monitoring of packages?	20.205(b)&(c)	
NOTES & REMARKS:		
7. <u>Personnel Protection - External</u>		<u>n/a</u>
Personnel monitoring control; minimize exposures, control of accumulated dose?	20.101, 201.102, 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:		
8. <u>Personnel Protection - Internal</u>		<u>C</u>
Airborne concentrations in restricted areas?	20.103	
Exposure of minors?	20.104	
Posting of airborne radioactivity areas?	20.203	
Survey, monitoring bioassay requirements; records?	20.201, 20.401	
Leak tests of sealed sources?	Lic Cond _____	
NOTES & REMARKS: last survey performed on 11/13/76 after last work with isotopes		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
9. <u>Effluent Control, Waste Disposal</u>		<u>C</u>
Release of effluents?	20.106	
Waste disposal, proper packaging for shipment?	20.301, 20.303, 20.304, 20.305	
Procedures, records?	20.401, Lic Cond _____	
NOTES & REMARKS:		
Last waste shipment was on 6/29/77 to Teledyne Paperwork was filled out correctly		
10. <u>Transportation</u>		<u>C</u>
Management controls, audits?		
Selection of packaging?	49 CFR 173.393-5; 10 CFR 71	
Preparation of packages for shipment? Filling and loading, closing, liquids?	49 CFR 172, 173 49 CFR 172.300	
Markings & labelling?	49 CFR 172.402, 403	
Monitoring?	49 CFR 173.393	
Shipping papers, loading and placarding of vehicles?	49 CFR 172.200	
Reports of Incidents?	49 CFR 171.15, 171.16	
Training program?		
Examination of packages?		
NOTES & REMARKS:		
11. <u>Notifications and Reports</u>	none required	<u>C</u>
To individuals?	19.13	
Overexposures, excessive levels and concentrations, incidents?	20.403, 20.405	
Personnel exposures and monitoring, termination reports?	20.407, 20.408	
Theft or loss of licensed materials?	20.402	
NOTES & REMARKS:		

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM	CRITERIA	FINDING
12. <u>Posting of Notices</u>		<u>C</u>
Part 20, license & documents, procedures, notice of violations?	19.11(a)	
NRC-37	19.11(c)	
NOTES & REMARKS:		

13. <u>Environmental Monitoring Program</u>	Lic Cond _____	<u>n/a</u>
Implementation of program, scope and frequency as required?		
Records maintained, reviewed by management?		
NOTES & REMARKS:		

14. <u>Emergency Preparedness</u>	Lic Cond _____	<u>n/a</u>
Procedures available for incidents and accidents?		
Training for personnel; coordination with supporting groups and agencies?		
NOTES & REMARKS:		

15. <u>Other License Conditions</u>		
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NOTES & REMARKS:

INSPECTION REPORT NUMBER _____

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777108 - Industrial - Academic

AREAS INSPECTED AND FINDINGS

Licensee: _____ License No: _____ Amendment No: _____

INSPECTION ITEM

CRITERIA

FINDING

16. Confirmatory Measurements

C

Licensee's surveys verified on sampling basis? 201.105, 20.201

5 near samples taken in the drawer
being used to store material and in the
fume hood which ~~is~~ had been used
for ~~to~~ work with isotopes showed
no contamination above background

NOTES & REMARKS: Liquid scintillation
Counter

NRC Instrument: _____ Calibration due date: _____

17. Independent Inspection Effort

NOTES & REMARKS:

INSPECTION REPORT NUMBER

Page _____ of _____

APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: _____

License No: _____

Reference

Basis for noncompliance

Report item _____

10 CFR

Lic Cond _____

Type n/c_____

Report item _____

10 CFR _____

L1c Cond _____

Type n/c _____

Report item _____

10 CFR _____

Lic Cond _____

Type n/c_____

Report item _____

10 CFR _____

Lic Cond _____

Type n/c_____

Report item _____

10 CFR _____

Lic Cond _____

Type n/c _____

Report item _____

10 CFR _____

Lic Cond _____

Type n/c_____

(July 82)

INSPECTION REPORT NUMBER _____

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APPENDIX B - LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS

Licensee: _____

License No: _____

Identification and summary of action taken	Status
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Report No: _____	Type n/c: _____	Describe: _____
------------------	-----------------	-----------------

Action taken:	OPEN
	CLOSED

79-01 Clear

Report No: _____	Type n/c: _____	Describe: _____
------------------	-----------------	-----------------

Action taken:	OPEN
	CLOSED

Report No: _____	Type n/c: _____	Describe: _____
------------------	-----------------	-----------------

Action taken:	OPEN
	CLOSED

Report No: _____	Type n/c: _____	Describe: _____
------------------	-----------------	-----------------

Action taken:	OPEN
	CLOSED

Report No: _____	Type n/c: _____	Describe: _____
------------------	-----------------	-----------------

Action taken:	OPEN
	CLOSED

Report No: _____	Type n/c: _____	Describe: _____
------------------	-----------------	-----------------

Action taken:	OPEN
	CLOSED

Dennis Walsh also worked
w/ Material at the time

Meeks - in Toxicology -

expt ~~was~~ used ⁵⁰ ~~pl~~
~ 50 μ Ci quantities

hoods tested for flow
often -

INSPECTION REPORT NUMBER _____

Page _____ of _____

APPENDIX C - SUPPLEMENTARY INFORMATION

Licensee: _____ License No: _____

- ☐ () Uncorrected/repeated noncompliance
- ☐ () Unusual occurrence, conditions, etc
- ☐ () Basis for change of Category or Priority

- ☐ () Unresolved items
- ☐ () Inspector's comments

This is an inactive program.
The licensed material has been
in storage since January, 1976.
The next inspector should call
to assure that work with
radioisotopes has resumed prior
to inspection.

K. L. Meeks

L/C

6/26/80

7/21/81

11/20/81

check meter cal.
counter cal

3/4 Bricassay after millicurie
uses
monitor 1/week
no food

receipt - pickup by user

lab use in hydrocarbon fuels -
~~none~~ expts right now
none this year

No work w/ isotopes ~~since~~
for past few years since 1976-

Did not use up all
materials - still in possession

did wipe survey of lab
each week

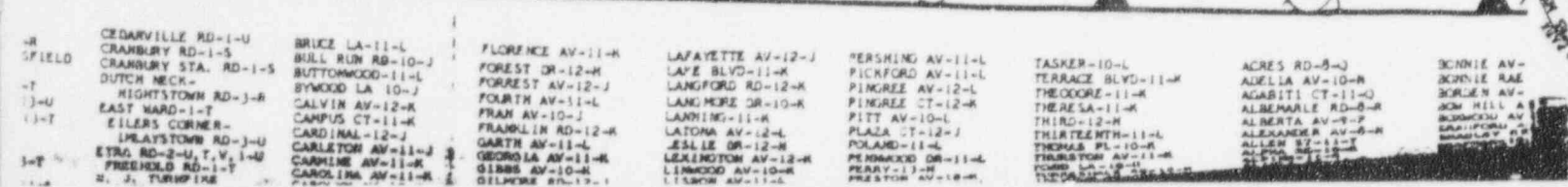
last ~~survey~~ 1/13/76 - ~~tested~~ ~~hoods~~
wiped on hoods on bench
top -

counted w/ Lig. Scint. Counter

Waste in can - sent to Teledyne Isotopes
6/28/77 C-14 3ml receipt on file

730 H/ton
S. RT1





MOBIL TECHNICAL CENTER
PRINCETON



CONVERSATION RECORD

TIME

10.30

DATE

12/5/86

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☐ INCOMING

☒ OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

J. R. Meeks

ORGANIZATION (Office, dept., bureau, etc.)

Mod. Research and Development Corp

TELEPHONE NO.

(609) 737-3000

SUBJECT

Pending need for Renewal of NRC License No. 29-00505-15

SUMMARY

Mr Meeks (RSO) stated that the company is still deciding whether to maintain the license or not. Presently no material is on site and the program is dormant.

ROUTING

NAME/SYMBOL

INT

ACTION REQUIRED

Telephone Inquiry Letter / 314 under separate cover.

NAME OF PERSON DOCUMENTING CONVERSATION

Steven Courtemanche

SIGNATURE

Steven Courtemanche

DATE

12/5/86

ACTION TAKEN

SIGNATURE

TITLE

DATE

5/20