

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

OFFICIAL RECORD COPY

License Number

29-30278-01

Docket or Reference Number

030-34071

Amendment No. 01

Tosco Refining Company
A Division of Tosco Corporation
1400 Park Avenue
Linden, New Jersey 07036

In accordance with letter dated February 11, 1997, and concurrent with the issuance of License Number 37-30381-01; License Number 29-30278-01 is hereby terminated.

Date MAR 18 1997

For the U.S. Nuclear Regulatory Commission

ORIGINAL SIGNED BY:

JUDITH A. JOUSTRA

By

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

9704150080 970318
PDR ADUCK 03034071
C PDR



ML 10

MAR 18 1997

Mr. James E. Fedena
Section Supervisor
TOSCO Trainer Refining Company
A Division of TOSCO Corporation
TOSCO Trainer Refinery
4101 Post Road
Trainer, Pennsylvania 19061

Dear Mr. Fedena

Please find enclosed Amendment No. 01 terminating License No. 29-30278-01. Your letter dated February 11, 1997 requested that Item No. 2 of your current NRC license be changed from 1400 Park Avenue, Linden, New Jersey to TOSCO Refinery, 4101 Post Road, Trainer, Pennsylvania. NRC license numbers are assigned, in part, by the state in which the mailing address exists. Because your mailing address changed from New Jersey to Pennsylvania the NRC must issue a new license. Your new license will be sent separately. Your new NRC license number is 37-30381-01.

Your cooperation with us is appreciated.

Sincerely,

ORIGINAL SIGNED BY:
JUDITH A. JOUSTRA

Judith A. Joustra
Division of Nuclear Materials Safety

License No. 29-30278-01
Docket No. 030-34071
Control No. 124301

Enclosure:
Amendment No. 01

DOCUMENT NAME: R:\WPS\MLTR\2930278.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	JJoustra						
DATE	03/10/97	03/ /97	03/ /97	03/ /97	03/ /97		

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ML 10



TOSCO

Tosco Refining Company
A Division of Tosco Corporation
Trainer Refinery
4101 Post Road
Trainer, Pennsylvania 19061

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

March 6, 1997

MS 16
F-8

Docket No. 030-34071
License No. 29-30278-01
Application for Materials License
Amendment

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission
Region 1
King of Prussia, PA 19406-1415

Attn: Ms. Judy Joustra

Dear Ms. Joustra:

Please be advised that the TOSCO Refining Company is requesting a revision to the changes in conditions stated in our previous correspondence to you dated February 11, 1997. Also, we are including additional information that you requested in a telephone conversation with Ms. Mary Wiggins on Wednesday, February 26, 1997.

REVISIONS TO FORMER REQUESTED CONDITIONS

- Request to withdrawal any changes asked for in condition 12.A.
- Request to withdrawal any changes asked for in condition 9.B.

STATEMENT OF CONDITIONS

- The Radiation Safety Officer (RSO) will do shutter and inventory checks every six months on all fixed level gauges.
- The RSO will do leak tests on all sources every three years and supply a leak test kit number for each test if requested.
- The RSO will keep a copy of any training records for at least three years.

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124300/124301

MAR 10 1997

PAID REC'D MAR - 7 1997

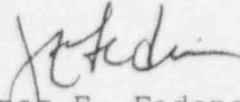
Ms. Judy Joustra
March 6, 1997
Page Two

ATTACHED INFORMATION REQUESTED

- A copy of the RSO's training records.
- A copy of BP Oil's License showing Mary Wiggins as the former RSO.

Please be advised that the TOSCO Refinery located at 4101 Post Road, Trainer, PA 19061 and TOSCO Refinery located at 1400 park Avenue, Linden, New Jersey 07036 are owned by one and the same Company, TOSCO Refining Company. The changes requested in the License do not include a change in ownership.

Very truly yours,


James E. Fedena
Section Supervisor
Environmental Health & Safety

JEF:bb

Certificate of Attendance

Awarded to

Mary Wiggins

For the successful completion of the

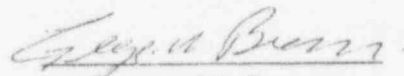
Ohmart Radiation Safety Officer Review

May 10 - 11, 1994

Presented at The Ohmart Corporation

Subject matter covered:

- Basic atomic theory
- Measurement and monitoring techniques
- Exposure calculations
- Biological effects of radiation
- NRC regulations
- Leak test, shutter check
- Installation, relocation, and removal procedures
- Hands on lab work
- Proper disposal practices
- Emergency procedures



George W. Brown
Training Manager

May 11, 1994

ohmart Corporation

Technical Training Schools
Cincinnati, Ohio 45209



Certificate of Attendance

Awarded to

Mary Wiggins

For the successful completion of the:

Ohmart Radiation Safety Course

November 6 to 9, 1990

Presented at The Ohmart Corporation

Subject matter covered:

- Basic atomic theory
- Measurement and monitoring techniques
- Exposure calculations
- Biological effects of radiation
- NRC regulations
- Test performed on devices
- Hands on lab work
- Proper disposal practices
- Emergency procedures

George W. Brown

George W. Brown
Training Manager

November 9, 1990

ohmart Corporation

Technical Training Schools
Cincinnati, Ohio 45209



MATERIALS LICENSE

Amendment No. 05

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. BP Oil Company

2. P.O. Box 428
Marcus Hook, Pennsylvania 19061In accordance with application dated
April 23, 1993,3. License number 37-10059-03 is amended in
its entirety to read as follows:

4. Expiration date September 30, 1998

5. Docket or
Reference No 030-199606. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this licenseA. Cesium 137
B. Americium 241A. Sealed sources
B. Sealed neutron sources
(Gammatron Inc. Model
AN-HP)A. 10 curies total
B. 200 millicuries total

9. Authorized use

- A. For possession and use in Kay Ray, Accuray, Ohmart, LFE, Berthold Systems, Inc., Data Measurement Corp., Flow Measurement Systems, Ronan Engineering or Texas Nuclear devices which have been evaluated and approved for licensing purposes and authorized for distribution under a license issued by the Nuclear Regulatory Commission or an Agreement State.
- B. For possession and use in a Fisher Controls - Model LD 2220 neutron backscatter level detector.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at Marcus Hook Refinery, Smith Street, Gate-Post Road, Marcus Hook, Pennsylvania.
11. A. Licensed material shall be used by, or under the supervision of, M. E. Wiggins and R. L. Esposito.
- B. The Radiation Safety Officer for this license is M. E. Wiggins.
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.

OHMART

Ohmart Corporation
4241 Allendorf Drive
Cincinnati, Ohio 45209-9961
USA

(513) 272. 0131 Telephone
(513) 272. 0133 FAX

January 14, 1997

Tosco
1401 Post Road
Trainer, PA 19061

Attn: Mary Wiggins

Ms. Wiggins: _____

This letter verifies that Ohmart source holders that use Cesium-137 or Cobalt-60 contained in the model A-2102, A-2100, or A-5771 capsules have been approved for a leak test frequency of three years by the NRC and or the State of Kentucky.

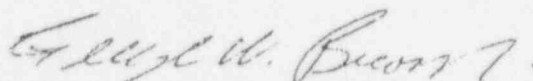
For source holders manufactured prior to 1992 the NRC registered the source capsule. The registration numbers are NR-522-S-178-S (A-2102), NR-522-S-204-S (A-2100), and NR-522-S-206-S (A-5771). All Ohmart source holders used one of these three capsules.

Source holders manufactured after 1991 are registered with the State of Kentucky. Those registries are numbered:

KY-512-D -101-B 1) SH-F1, (SH-1), SH-F2, (SH-2)
-102-S 2) (SHLG-1), SHLG-2, SHLG-3
-103-S 3) SHLM-B-1, 2, 3 and SHLM-C-1, 2, 3
-104-S 4) SHLM-BR-1, 2, 3, 4 and SHLM-CR-1, 2, 3, 4
-105-S 5) SHRM-BW, SHRM-B, (SHRM-PA)
-106-S 6) MDTs
-107-S 7) Moistart-5000 with SHN AND SHWA
-108-S 8) SHRD
-109-S 9) (SHD)
-110-B 10) SR-A, (SR-1A)
-111-B 11) SR-2, (SR-1)

Sincerely,

THE OHMART CORPORATION



George W. Brown
Radiation Safety Officer
Training Manager

DATE 1/21/97
RSO M. Wiggins

RADIATION SOURCES

SHOP ORDER	ISOTOPE	SERIAL #	mCi	SOURCE HOLDER	SHIP DATE	SHUTTER CHECK	INVENTORY	AREA	LOCATION
9310074	CS-137	M5821	800	SH-F2	FEB-92		OK	1	#1 Reactor reduction zone
46427-1	CS-137	M6629	50	SH-F1	FEB-74		OK	1	Lock Hopper #1
46427-2	CS-137	M-6630	50	SH-F1	FEB-74		OK	1	Lock Hopper #2
46427-3	CS-137	M-6808	80	SH-F1	FEB-92		OK	1	Disengaging Hopper
46427	CS-137	67447	1000	SHRH-6	JUL-75		OK	1	Surge Hopper
2020-04016-D	CS-137	73172	2000	SHLG-1	MAY-82		OK	3	544 Crude Vac Tower
2020-04016-D	CS-137	72442	500	SHD	MAY-82		OK	3	543 Crude Tower
2020-04016-E	CS-137	72443500	500	SHD	MAY-82		OK	3	544 Crude Tower
0020-12122-A	CS-137	72449	375	SH-F2	JAN-91	see Attached	AT OHMART For Repair	3	542 Vac Tower
0020-12122-B	CS-137	72450	375	SH-F2	JAN-91		OK	3	541 Vac Tower
0020-076	CS-137	70620	1500	SHLG-1	FEB-81		OK	4	Fractionator
KAY RAY	CS-137	9913-A	100	UNKNO WN	MAR-78		OK	4	Precipitators
KAY RAY	CS-137	9913-B	100	UNKNO WN	MAR-78		OK	4	Precipitators
KAY RAY	CS-137	9913-C	100	UNKNO WN	MAR-78		OK	4	Precipitators

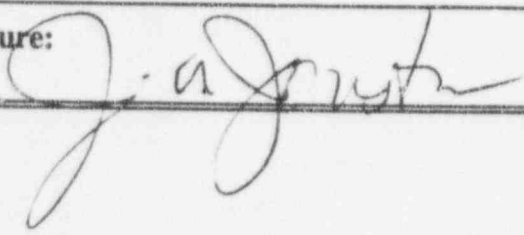
KAY RAY	CS-137	9913-D	100	UNKNO WN	MAR- 78	SHUTTER CHECK	Inventory	4	Precipitators
9410031-B	CS-137	62101	50	SHRM- PA	OCT-71			4	Acid Regenerator
9410031-C	CS-137	62103	50	SHRM- PA	OCT- 71			4	Acid Regenerator
44114-4	CS-137	61411	10	SHRM- PA	OCT-71			4	Acid Regen Condenser
0834001003	CS-137	65918	50	SHRM- PA	AUG-89			4	Liquid Trap
44111-3	CS-137	61981	100	HM-8	OCT-71			4	Poly Surge Drum
7039-10078	CS-137	0-705	80	AS-2	JUN-88			4	1st Stage Acid Settler
1010-08037	CS-137	M-5808	50	SH-F1-0	3-18-94			4	Parallel Poly Surge Drum
PA-930393272	CS-137	9294GG	10	MDTS 2	FEB-94			4	2nd Stage Acid Settler
Texas Nuclear Alloy Analyzer	Cd-109 45Fe	M-364	5 45					Reli- ability	Reliability Instrumentation Room
Texas Nuclear Alloy Analyzer	Cd-109 45Fe	B-154	5 45					Reli- ability	Reliability Instrumentation Room
Safety Dept.	AM	F-82	200	D220			OK	Safety	Safety Dept.

TOSCO TRAINER REFINERY

Nuclear Guages Shuttercheck Inventory Report

Phone: (610) 634 - 8247

Address: 4101 Post Road
Trainer, PA 19061

TELEPHONE CONVERSATION RECORD		Date: 2/26/97	Time:
Mail Control No.: 124300, 124301		License No.: 29-30278-01 37-30381-01	Docket No.: 030-34071 030-344X01
Person Called: Mary Wiggins, RSO		Organization: TOSCO Trainer Refining Co.	Telephone Number: (610) 364-8247
Person Calling: J Joustra			
Subject: need additional info for license amendment			
Summary: <ol style="list-style-type: none"> 1. Specify RSO training 2. specify location of use for Fisher Controls Device, security when not in use, training in use of the device, confirm 6 month leak test frequency, who will analyze the leak test, who will service the device. 3. confirm that item 12 A of 2/11/97 letter is to be deleted. 4. confirm whether there was a name change or ownership form TOSCO to TOSCO Trainer. 			
Action Required/Taken: send info			
Signature: 		Date: 2/26/97	

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TOSCO

Certified Mail
Return Receipt Requested

Tosco Refining Company
A Division of Tosco Corporation
Trainer Refinery
4101 Post Road
Trainer, Pennsylvania 19061

February 11, 1997
Docket No. 030-34071
License No. 29-30278-01

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Attn: Mr. Richard Ladun

RE: TOSCO Trainer Refinery application for an Amendment to
our current Materials License

Dear Mr. Ladun:

Please be advised that the TOSCO Refining Company is requesting a
Materials License Amendment. Attached is NRC form 313, a copy of
the current License and a check to cover the fee.

The purpose of this amendment request is to change the name and
address of No. 1 and No. 2 listed on the current license to the
following:

1. TOSCO Trainer Refining Company
A Division of TOSCO Corporation
2. TOSCO Trainer Refinery
4101 Post Road
Trainer, PA 19061

Also, we are requesting changes be made to the following
authorized use and conditions

Currently Reads

9. Authorized Use

- B. Storage only of Fisher Controls LD2220 neutron
backscatter device

Request to change to:

9. B. For possession and use in Fisher Controls Model
LD2220 Neutron Back Scatter level detector

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1 2 4 3 0 1

FEB 24 1997

Mr. Richard Ladun
February 11, 1997
Page 2

CONDITIONS

Currently Reads

10. B. The licensee may not possess and use materials authorized in items 6, 7 and 8 until:
- (1) the licensee has constructed the facilities and obtained the equipment described in the application and supporting documentation; and
 - (2) the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania, 19406 has been notified in writing that activities authorized by the license will be initiated.

Request to change to:

10. B. Deleted

Currently Reads

11. A. Licensed material shall be used by or under the supervision of, Bill Carnall, Michael J. Mogar, Mike Racine, or Joseph Schmidt, Jr.

Request to change to:

11. A. Licensed material shall be used by or under the supervision of the Radiation Safety Officer, Mary Wiggins, and/or Bill Carnall, Instrument Department Supervisor.

Currently Reads

11. B. The Radiation Safety Officer for this license is Joseph Schmidt, Jr.

Request to change to:

11. B. The Radiation Safety Officer for this license is Mary E. Wiggins.

Mr. Richard Ladun
February 11, 1997
Page 3

Currently Reads

12. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.

Request to change to:

12. A. Sealed Sources and detector cells containing licensed materials shall be tested for leakage and/or contamination at intervals not to exceed three years.

All other conditions will remain the same.

Our radiation protection program includes a commitment to 6 month audits and shutter checks. The equipment containing radioactive sources is properly used by trained individuals. Our written Radiation Safety Program includes emergency response plans, film badge monitoring and exposure records. All radiation survey meters have been properly calibrated.

Sincerely,

Mary Wiggins RSO

Mary Wiggins, RSO

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03120
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20010831
FEE COMMENTS: -----
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: TOSCO REFINING COMPANY
RECEIVED DATE: 970224
DOCKET NO: 3034071
CONTROL NO.: 124301
LICENSE NO.: 29-30278-01
ACTION TYPE: TERMINATION

2. FEE ATTACHED

AMOUNT: -----
CHECK NO.: -----

3. COMMENTS

Ref. 124300.

SIGNED M. A. Perkins
DATE 2/25/97

B. LICENSE FEE MANAGEMENT BRANCH & CHECK WHEN MILESTONE IS REACHED **FEE EXEMPT** ✓

1. FEE CATEGORY AND AMOUNT: 3P

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED -----
DATE -----

RECEIVED BY LFDCB	
Date	<u>3/3/97</u>
Low	<u>Mar 2 1997</u>
By	<u>LB</u>
Date Completed	<u>3/3/97</u>

(Also see 124300)

1997 FEB 27 MK