



BP OIL

BP Oil Company  
Toledo Refinery  
PO Box 696  
Toledo, Ohio 43697-0696  
(419) 698-6200

November 6, 1996

JRM DCD  
10 CFR 30.50(a)2  
(b)(4)(C)(2)  
34-07269-2  
03028576

Follow up during  
next inspection  
JRM

U.S. Nuclear Regulatory Commission  
Region III  
801 Warrenville Road  
Lisle, IL 60532-4351

Dear Sir or Madam:

NRC license 34-07269-02

RE: **30-DAY REPORT OF INCIDENT**

On October 12, 1996 at approximately 1900 hours, a line ruptured near vessel that utilized a nuclear device, Ohmart model A2102 in a SH-100 holder, for level measurement. The source was involved in flame from approximately 1900 hours on October 12, 1996 until the fire was extinguished at approximately 0510 hours October 13, 1996. The source is 100 mCuries of Cs 137.

Once the fire was extinguished, it was essential that limited number of craftsmen enter the vicinity to take measure to prevent further potential release of flammable vapors. Before entry was allowed, the RSO Maureen Sullivan surveyed the area where work was to be done with a Ludlum Measurement Model 19. Background readings away from the area were 5 - 10 uR / hour. At the location where scaffold was erected the readings increased to between 25 - 60 uR / hour. Representative workers also wore pencil dosimeters, S.E. International Pen 200 mRoentgen. Readings were all below 5 milliRoentgen for the total duration of their tasks which was about 1 1/2 to 2 hours from start to finish.

Chuck Jackson of Texas Nuclear had been called late Saturday and arrived on scene at approximately 0130 hours Sunday, October 13, 1996. At that time the fire was still burning the fuel source could not be clearly identified or isolated. It was believed to be a line that was not capable of being isolated and estimated time for burn out was 24 hours or more. I requested that Mr. Jackson stay at a local motel due to the uncertainty of duration. He opted to return home. Once the fire was out, Mr. Jackson was again called at approximately 0710. Since his travel time is at least 2.5 hours, the area was isolated and entry denied to the area. Proximate entry to the source was not readily available as the fire had destroyed or made unsafe, the normal access ladders. (The source is located on the second deck, above grade.) Ohmart was also contacted and asked to respond to the plant. Mr. George Brown arrived at approximately 1400 hours. Attached to this report are copies of both wipe tests and / or reports from TN and Ohmart.

9612030094 961106  
PDR ADOCK 03028576  
C PDR

NOV 13 1996

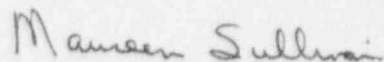
From the time Mr. Jackson arrived on site the second time, until the source was taken off site by Mr. Brown, nuclear activities were handled by Mr. George Gregory, alternate RSO. Removal of the device from the vessel was done by Chuck Jackson of TN and possession of the device is currently with Ohmart, who removed the source and holder from our site.

A verbal report was filed the NRC region III office on October 14, 1996 with the duty officer and John Midera. It took until October 30, 1996 for me to get written confirmation / reports of wipe tests performed by Mr. Jackson and Mr. Brown.

An amendment has been submitted to NRC for this license. Ohmart no longer makes the same style holder as the original. The source and all other aspects are expected to remain the same. I have requested in the amendment that the review be expedited as unit start up depends on this device and is expected to be ready for shipment from Ohmart by November 22, 1996. The new holder is model SH-F2.

Quicker response for removal or securing of the nuclear device was not possible due to the inability to isolate the fuel source of the fire.

Sincerely,

A handwritten signature in cursive script that reads "Maureen Sullivan".

Maureen A. Sullivan

The Ohmart Corporation  
6241 Allendorf Drive • Cincinnati, Ohio 45208  
Phone (513) 272-0131 • TLX: RCA 212871



## Wipe Test Kit

B.P. OII  
4001 Cedar Point Rd.  
Oregon Ohio  
43069

ATTN: George Gregory

Caution: This kit is to be used only for the source holder described below. The information below appears on the metallic label on the actual OHMART source holder. Supply similar information if holder not OHMART.

S.O. No.	Isotope	Serial No.	m.C.I.	Source Holder
1020-28102	CS-137	64145	100	SH-100

Date Shipped	User Identification	Other
11-81		Source holder in Free

Date of Test	Tested By (Tester's Signature)
10-13-96	George Brown

This kit is to be used only by those whose license permit them to perform wipe tests. (Per CFR-10 Part 20)

## OHMART ANALYSIS

The following are analysis results:

Source is O.K. ☒ (Activity less than 0.005 µCi) ☐ Residue Required ☐ Contaminated

1215 1/27 11/25/96  
Tested By/Authorized Signature Date

Post-It™ Fax Note	7671	Date	10-30	# of pages	1
To	Margaret Sullivan	From	George Brown		
Co./Dept.	BP-011	Co.	OHMART		
Phone #		Phone #			
Fax #	419-698-6361	Fax #			

# TN Technologies, Inc.

An EnviroTech company

Telephone: (512) 388-9100 Telex: 77-6413  
Fax: (512) 388-9200 (800) 558-0097

P.O. Box 800  
2555 N IH-35  
Round Rock, Texas 78680

## FIELD SERVICE REPORT

PAGE 1  
OF 3 PAGES

BILLING ADDRESS  
THE B.P. OIL COMPANY  
P.O. BOX 696  
OREGON, OHIO (TOLEDO MAIL)  
43616

SERVICE ADDRESS  
B.P. OIL COMPANY  
4001 CEDAR POINT RD.  
OREGON, OHIO 43697

CONTACT NAME  
GEORGE GREGORY/MAUREEN SULLIVAN

CONTACT PHONE

CUSTOMER P.O. NUMBER

SERVICE REPRESENTATIVE NAME

DATE ON SITE

DATE DEPARTED

CHUCK JACKSON

12 OCT, 96

13 OCT, 96

DESCRIPTION OF SERVICE

CHECK DHMART SOURCE, FIRE @ B.P. TOLEDO PLANT, MAUREEN SULLIVAN (RSD)  
B.P. TOLEDO CALLED me @ HOME AT APPROX. 9:20 PM SATURDAY EVENING.  
SHE STATED THEY HAD A FIRE & NUCLEAR SOURCE WAS INVOLVED. I  
WAS ASKED TO DEPART HOME & TRAVEL TO OREGON, OHIO ASAP. PACKED  
NEED<sup>ed</sup> EQUIPMENT, PICKED UP R/CAR & DROVE TO B.P. PLANT. ARRIVED  
PLANT @ 1:20 AM & met w/ MAUREEN SULLIVAN SHE IS PLANT (R.S.O.)  
SHE ADVISED me THAT FIRE WAS STILL BURNING & WE COULD NOT  
GET NEAR THE AREA WHERE NUCLEAR SOURCE WAS LOCATED. SHE  
DID NOT KNOW AT THIS TIME IF SOURCE WAS TN OR DHMART OR  
SIZE OF SOURCE. I WAS TOLD THAT FIRE WOULD BURN FOR AT LEAST  
A DAY SO I ADVISED MAUREEN THAT I WAS GOING TO DRIVE  
BACK HOME & WAS TOLD BY MAUREEN SULLIVAN THAT I NEEDED  
TO BE ON STAND-BY WHILE AWAITING THEIR CALL AS TO WHEN I  
NEEDED TO RETURN TO PLANT & INSPECT

USE ADDITIONAL FORMS FOR CONTINUATION

DAY	DATE	TRAVEL TIME		ON SITE TIME		WRKY TIME		STAND BY TIME	TOTAL TIME		REMARKS
		REG	OT	REG	OT	REG	OT		REG	OT	
SUN	10-13-96		12		4			2			TRAVEL, STAND-BY, & ON SITE TIME
MON											
TUES											
WED											
THURS											
FRI											
SAT	10-12-96		4		4						TRAVEL & ON SITE TIME

CUSTOMER'S  
REPRESENTATIVE

*DR Gregory*

SIGNATURE

DATE 13 OCT, 96

# TN Technologies, Inc.

An EnviroTech company

Telephone: (512) 388-9100 Telex: 77-6413  
Fax: (512) 388-9200 (800) 558-0097

P.O. Box 800  
2555 N IH-35  
Round Rock, Texas 78680

## FIELD SERVICE REPORT

PAGE 2  
OF 2 PAGES

BILLING ADDRESS  <b>B.P. OIL</b>		SERVICE ADDRESS	
CONTACT NAME		CONTACT PHONE	CUSTOMER P.O. NUMBER
SERVICE REPRESENTATIVE'S NAME		DATE ON SITE	DATE DEPARTED

### DESCRIPTION OF SERVICE

THE CONDITION OF SOURCE, ETC. MEANWHILE NO ONE WAS ALLOWED IN THIS AREA, SOURCE WAS NEAR WALKWAY ON 2<sup>ND</sup> FLOOR OF VAC #1 UNIT. I DROVE BACK HOME ARRIVING SHORTLY AFTER 6 AM & @ 7:50 AM B.P. CALLED ME BACK & SAID FIRE WAS OUT & TO COME BACK TO PLANT. I ARRIVED BACK @ B.P. AT 11:00 AM & MET W/ MAUREEN SULLIVAN & GEORGE GREGORY, GEORGE IS I/E SUPERVISOR. I WAS THEN TOLD IT WAS AN OHMART MOD # SH-100, SD # 1020-28102, SERIAL # 164145, 100 MCI, CS-137 SOURCE, I WAS ALSO INFORMED THAT OHMART WAS CALLED & WOULD BE AT PLANT AROUND 2 PM SUNDAY. CUSTOMER NEEDED TO GET INTO THIS AREA ASAP TO ASSESS OTHER DAMAGES, GEORGE & I GOT PROTECTIVE CLOTHING ON ALONG W/ RESPIRATORS AND WENT TO UNIT & TOOK SOURCE DOWN AFTER I PERFORMED WIFE TEST & AREA SURVEY. THE AREA WAS ROPED OFF & NO ONE WAS

USE ADDITIONAL FORMS FOR CONTINUATION

DAY	DATE	TRAVEL TIME		ON SITE TIME		WRTY TIME		STAND BY TIME	TOTAL TIME		REMARKS
		REG	OT	REG	OT	REG	OT		REG	OT	
SUN	10-13-96		12		4			2			
MON											
TUES											
WED											
THURS											
FRI											
SAT	10-12-96		4		4						TRAVEL & ON SITE TIME

CUSTOMER'S REPRESENTATIVE \_\_\_\_\_ DATE 13 OCT, 96  
SIGNATURE \_\_\_\_\_



# TN Technologies, Inc.

An EnviroTech company

Telephone: (512) 388-9100 Telex: 77-6413  
Fax: (512) 388-9200 (800) 558-0097

P.O. Box 800  
2555 N IH-35  
Round Rock, Texas 78680

## FIELD SERVICE REPORT

PAGE 3  
OF 3 PAGES

BILLING ADDRESS

SERVICE ADDRESS

B.P. OIL

CONTACT NAME

CONTACT PHONE

CUSTOMER P.O. NUMBER

SERVICE REPRESENTATIVES NAME

DATE ON SITE

DATE DEPARTED

DESCRIPTION OF SERVICE

IN THE AREA BY APPROX 100' W/ EXCEPTION OF GEORGE GREGORY AND I. WE TOOK SOURCE DOWN WHICH TOOK APPROX 20 MINUTES W/ READINGS OF 1 FT BEING 40-60 MALL. WE TOOK SOURCE DOWN & LOADED INTO TRUCK & AFTER WE WERE DECONTAMINATED WE TOOK SOURCE TO OPEN FIELD & ROPED OFF & PROPERLY PLACE RADIATION TAGS AROUND ROPED OFF AREA, WE ARE WAITING FOR THE OHMART FOLKS. ALTHOUGH THE LEAD SHIELDING WAS MELTED FROM SOURCE HEAD, THERE IS NO LEAKAGE AS PROVEN BY MY WIPE TEST. TEST RESULTS ARE < .005 UCI. MR. GEORGE W. BROWN W/ OHMART ARRIVED PLANT AT 1420 HRS. MR. BROWN IS OHMARTS (R.S.O.) MR. BROWN WILL HANDLE THIS SOURCE FROM THIS POINT ON. I WOULD LIKE TO COMMEND B.P. OIL IN THEIR HANDLING OF THIS SITUATION, THEY DID EXACTLY WHAT THEY WERE SUPPOSED TO DO. (GOOD JOB B.P. OIL). DEPARTED PLANT @ 1500 HRS

USE ADDITIONAL FORMS FOR CONTINUATION

DAY	DATE	TRAVEL TIME		ON SITE TIME		WRTY TIME		STAND BY TIME	TOTAL TIME		REMARKS
		REG	OT	REG	OT	REG	OT		REG	OT	
SUN	10-13-96	1	2		4			2			
MON											
TUES											
WED											
THURS											
FRI											
SAT	10-12-96		4		4						

CUSTOMER'S  
REPRESENTATIVE

SIGNATURE

DATE 13 OCT, 96