



CITY OF SOUTH BEND STEPHEN J. LUECKE, MAYOR
DEPARTMENT OF PUBLIC WORKS

February 19, 2010

Mr. Michael G. Herr, CHP
 Materials Licensing Branch
 U.S. Nuclear Regulatory Commission
 Region III
 2443 Warrenville Road, Suite 210
 Lisle, Illinois 60532-9752

Dear Mr. Herr:

I request a license amendment to indicate the storage location of our Nuclear Surface Moisture-Density Gauges for license #13-15243-03 and add the address to the license description. In a fax letter sent October 29, 2002 to the Materials Licensing Branch the address for the new location was omitted in the fax letter and never added or mentioned in the 2003 license. The address where the gauges are stored is the Public Works Service Center 731 S. Lafayette, South Bend, Indiana 46601. (See attached drawing, which had been submitted with the October 29, 2002 information)

Attached also please find copies of the Gauge Certificates for the 3411B and 3440 gauges.

The millicuries for the Troxler Gauge 3411B are as follows:
 CS137 - 8.1mCi and AM-241:BE - 40mCi

The millicuries for the Troxler Gauge 3440 are as follows:
 CS137 - 8.0mCi and AM-241:BE - 40mCi

I also submit a revised letter from Larry Camparone who is now the RSO Officer. Attached is his Troxler certification.

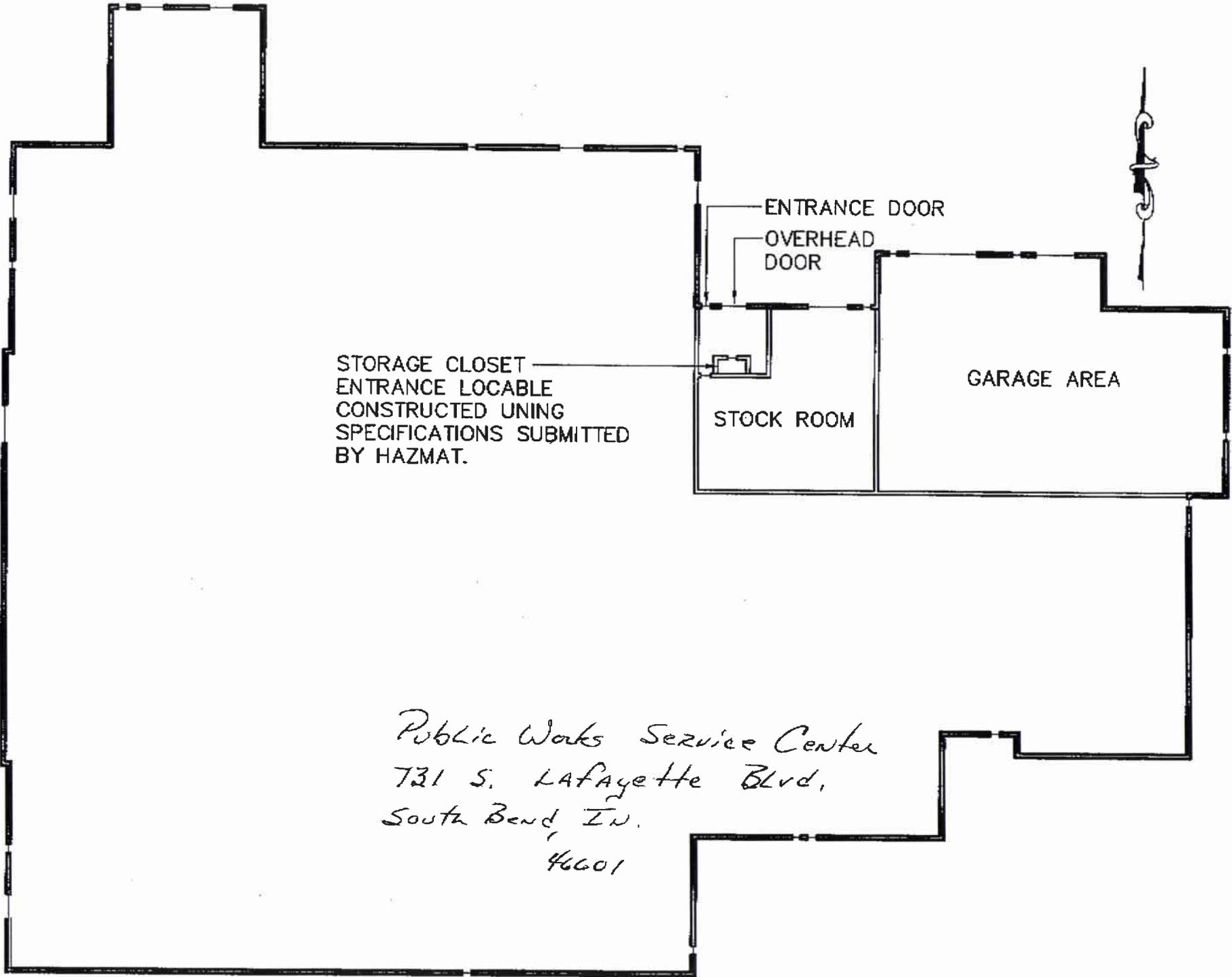
If you have any further questions, you may contact me at (574)235-5920.

Sincerely,

Toy Villa
 Construction Manager

Enclosures

Department of Public Works Gary A. Gilot, Director 574/ 235-9251 Fax 574/ 235-9171	Engineering Carl P. Littrell, P.E. 574/ 235-9251 Fax 574/ 235-9171	Water Works David Tungate 574/ 235-9322 Fax 574/ 235-5595	Central Services Matt Chlebowski 574/ 235-9316 Fax 574/ 235-9007	Streets Sam Hensley 574/ 235-9244 Fax 574/ 235-9272	Environmental Services John J. Dillon, Ph.D. 574/ 277-8515 Fax 574/ 277-8980
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STORAGE CLOSET
ENTRANCE LOCABLE
CONSTRUCTED UNING
SPECIFICATIONS SUBMITTED
BY HAZMAT.

ENTRANCE DOOR
OVERHEAD
DOOR

STOCK ROOM

GARAGE AREA

*Public Works Service Center
731 S. Lafayette Blvd,
South Bend, IN.
46601*



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Mr. Michael G. Herr, CHP
 Materials Licensing Branch
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 2443 Warrenville Road, Suite 210
 Lisle, Illinois 60532-9752

Dear Mr. Herr:

This letter is to inform you that I, Larry Camparone have accepted to serve as Radiation Safety Officer for the City of South Bend Engineering Department. I understand the duties and responsibilities associated with the position. I have taken the course on Nuclear Radiation Safety through the Indiana Department of Transportation and am familiar with the principles and practices of radiation protection, procedures for nuclear gauge storage and transportation, accident and incident procedures, general safety precautions, leak testing procedures, biological effects of radiation and proper gauge operations. I am certified by Troxler Electronic Laboratories, Inc. Please see attached Troxler Certificate.

If you have any further questions, you may contact me at (574)235-5929.

Sincerely,

Larry Camparone
 Project Inspector
 Bureau of Public Construction

INDIANA DEPARTMENT OF TRANSPORTATION

HEREBY CERTIFIES THAT

LARRY CAMPARONE

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE FOR THE USE OF
NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating Procedures
3. Maintenance
4. Field application
5. Gauge calibration

6-4-98

Date

John D. K...

Radiation Safety Officer

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 * SPECIAL FORM RADIOACTIVE SOURCE CERTIFICATE *
 * ORIGINAL *

THIS DOCUMENT MUST BE RETAINED BY THE RECIPIENT UNTIL SUCH TIME THAT THE MATERIAL IS TRANSFERRED INTO THE POSSESSION OF ANOTHER LICENSEE. A COPY OF THIS DOCUMENT MUST BE KEPT WITH THE GAUGE WHILE BEING TRANSPORTED ON PUBLIC HIGHWAYS IN THE UNITED STATES. INTERNATIONAL USERS SHOULD CONTACT THE LOCAL REGULATORY AGENCY TO DETERMINE THE DOCUMENTATION REQUIREMENTS.

SEALED SOURCE

SEALED SOURCE

40 7790
 102112
 CS137
 8.1

 C64444
 GB/140/S
 09 JUL, 1983
 08 FEB, 1984

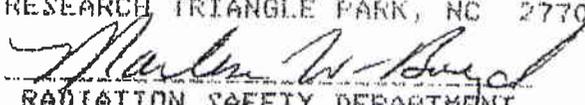
CODE/SERIAL
 TROXLER DRAWING NUMBER
 MATERIAL TYPE
 ACTIVITY IN MILLICURIES
 NEUTRON OUTPUT (N/S)
 ANSI SPECIFICATION
 SPECIAL FORM CERTIFICATE
 DATE OF MEASUREMENT
 DATE OF LEAK TEST

46 1778
 102451
 AM241:RE
 40
 6.5 X10⁻⁴

 USA/0263/S
 14 OCT, 1983
 08 FEB, 1984

SOURCE(S) ARE CONTAINED IN TROXLER MODEL 3411B10374 TRANSFERRED ON 08 FEB, 1984. SALES ORDER NUMBER 12670

TD
 CODE : 4978000
 LICENSE: 13-15243-03
 NAME : CITY OF SOUTH BEND
 PUBLIC WORKS DEPARTMENT
 1316 CITY COUNTY BOULEVARD
 SOUTH BEND, IN 46601

FROM
 32-192-1
 TROXLER ELECT. LABORATORIES, INC
 P. O. BOX 12057
 RESEARCH TRIANGLE PARK, NC 27709

 RADIATION SAFETY DEPARTMENT

*** SPECIAL FORM, PACKAGE & TRANSPORT INFORMATION ***

- A. SPECIAL FORM- RADIOACTIVE MATERIAL USED IN THIS GAUGE HAS BEEN TESTED BY THE SOURCE MANUFACTURER TO MEET THE REQUIREMENTS AS SPECIAL FORM MATERIAL. THE ABOVE REFERENCED SPECIAL FORM CERTIFICATE HAS BEEN ISSUED BY AN INTERNATIONALLY RECOGNIZED 'COMPETENT AUTHORITY'. THE ABOVE REFERENCED LEAK TEST REVEALED THE REMOVABLE ACTIVITY TO BE LESS THAN 0.005 MICRO-CURIE. A RECOMMENDED WORKING LIFE FOR THIS SOURCE IS 15 YEARS. THIS IS BASED ON TOXICITY, HALF-LIFE, INITIAL ACTIVITY, CAPSULE DESIGN AND OPERATIONAL EXPERIENCE.
- B. PACKAGE CLASSIFICATION- THE ABOVE LISTED NUCLEAR GAUGE HAS BEEN TESTED AND MEETS THE REQUIREMENTS OF US DOT & IAEA REGULATIONS AS A 'TYPE A' PACKAGE. THE GAUGE MUST ALWAYS BE TRANSPORTED IN ITS ACCOMPANYING TRANSPORT CASE TO ENSURE COMPLIANCE WITH THE LABELING REQUIREMENTS. A REPORT OF TESTING AND EVALUATION TO AFFIRM THAT THE GAUGE IS SHIPPED AS A US DOT 7A TYPE A PACKAGE IS MAINTAINED ON FILE AT TROXLER ELECTRONIC LABS, INC. RESEARCH TRIANGLE PARK, NC 27709.
- C. BILL OF LADING:

RADIOACTIVE MATERIAL
 SPECIAL FORM-N.O.S. UN2974
 TYPE A PACKAGE

 * TROXLER ELECTRONIC LABORATORIES, INC. *
 * GAUGE CERTIFICATE *
 * ORIGINAL *

TROXLER GAUGE MODEL: 3440
 GAUGE SERIAL NUMBER: 28219

TRANSFERRED ON: 20 FEB , 1998
 SALES ORDER NUMBER: 8101727

TO

FROM

CODE : 4978000
 LICENSE: 13-15243-03
 NAME : CITY OF SOUTH BEND
 PUBLIC WORKS DEPARTMENT
 1316 CITY COUNTY BOULEVAR
 SOUTH BEND, IN 46601

32-182-1
 TROXLER ELECT. LABORATORIES, INC.
 P O BOX 12057
 RESEARCH TRIANGLE PARK, NC 27709

SEALED SOURCE

SEALED SOURCE

CS-137
 750- 2169
 .30 GBQ (8.0 mCi)
 01 SEPT , 1997
 102112
 GB\353\985
 C64444
 09 FEB , 1998

RADIOACTIVE MATERIAL
 SOURCE SERIAL NUMBER
 ACTIVITY
 DATE OF MEASUREMENT
 TROXLER DRAWING NUMBER
 SPECIAL FORM CERTIFICATE
 ANSI SPECIFICATION
 ****DATE OF LEAK TEST****

AM-241:BE
 47-24900
 1.48 GBQ (40 mCi)
 15 AUG , 1997
 102451
 GB/7/8-85
 C66544
 09 FEB , 1998

RETAIN THIS DOCUMENT IN YOUR GAUGE RECORDS AS A RECORD OF RECEIPT.
 PLEASE NOTE THAT THIS INFORMATION IS PROVIDED TO ASSIST IN COMPLIANCE OF
 APPLICABLE RULES AND REGULATIONS AND MIGHT NOT ALWAYS BE COMPLETE AND/OR
 CURRENT. ALWAYS CONSULT YOUR LICENSING AGENCY IF YOU HAVE ANY QUESTIONS
 REGARDING THE AUTHORIZED POSSESSION, USE, OR TRANSPORTATION OF THIS GAUGE.
 A COPY OF EACH APPLICABLE SPECIAL FORM CERTIFICATE AND US DOT 7A TYPE "A"
 PACKAGE TESTING RESULTS REFERENCED BELOW ARE AVAILABLE UPON REQUEST TO
 TROXLER ELECTRONIC LABORATORIES , INC.

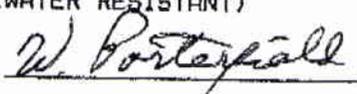
A. SPECIAL FORM CERTIFICATE(S)- RADIOACTIVE MATERIALS USED IN THIS GAUGE
 HAVE BEEN CERTIFIED AS "SPECIAL FORM" BY A RECOGNIZED "COMPETENT AUTHORITY".
 YOU ARE REQUIRED TO POSSESS A CURRENT COPY OF THE APPLICABLE SPECIAL FORM
 CERTIFICATE(S) TO TRANSPORT OR SHIP THIS GAUGE. A RECOMMENDED SOURCE WORKING
 LIFE IS 15 YEARS, BASED ON A SOURCE MANUFACTURER STUDY AND CAPSULE DESIGN.

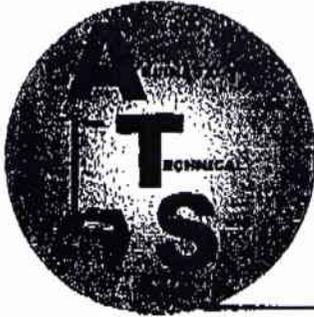
B. LEAK TEST - THE ABOVE REFERENCED LEAK TEST REVEALED THE REMOVABLE
 ACTIVITY TO BE LESS THAN 0.005 MICROCURIE.

C. SHIPPING INFORMATION - BOTH THE ABOVE LISTED NUCLEAR GAUGE AND/OR THE
 RELATIVE SHIPPING CASE MET THE APPLICABLE US DOT AND IAEA REQUIREMENTS AT
 THE TIME OF PACKAGE CERTIFICATION. THE GAUGE SHOULD ALWAYS BE TRANSPORTED
 IN THE RELATIVE SHIPPING CASE TO ENSURE COMPLIANCE WITH LABELING
 REQUIREMENTS. YOU ARE REQUIRED TO POSSESS A CURRENT COPY OF THE RESULTS
 OF APPLICABLE PACKAGE TESTING FOR US DOT 7A TYPE "A" IN ORDER TO TRANSPORT
 OR SHIP THIS GAUGE.

PROPER SHIPPING NAME, CLASSIFICATION, LABELING AND MARKING -
 RQ, RADIOACTIVE MATERIAL, SPECIAL FORM, N.O.S., 7, UN2974, US DOT 7A TYPE "A"
 PACKAGE, RADIOACTIVE YELLOW II, TI = 0.6 (WATER RESISTANT)

TROXLER RADIATION SAFETY DEPARTMENT APPROVAL





Richard Aguinaga
Aguinaga Technical Services
1924-C Calumet Drive
Sheboygan, WI 53081
Phone: (920) 803-8789
Fax: (920) 803-6707

Where Customer Service is a Priority!

LEAK TEST CERTIFICATE

Attn: Jeff Blum
Weaver Boos Consultants
820 Monroe NW Suite 333C
Grand Rapids MI 49503

A leak test has been performed on the following gauge:

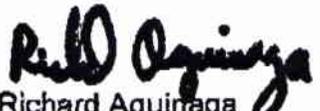
Manufacturer: Troxler
Model: 3411B
Serial Number: 10378
Cs137 Serial Number: 40-7790
Am241/Be Serial Number: 46-1778

Date Sample Collected: 2/1/2010
Date Sample Analyzed: 2/5/2010
Collected by: Jeff Blum
Analyzed By: Richard Aguinaga
Sample Activity α : < .000004 μ Ci
Sample Activity β : < .00005 μ Ci

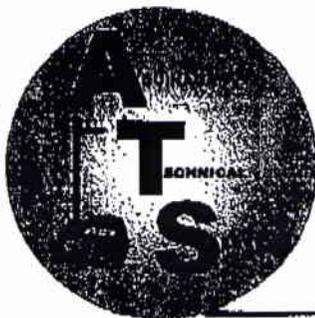
A sample activity of 0.005 μ Ci or greater is considered by Federal and most Agreement state regulations to be a leaking source and must be removed from service and reported to the applicable regulatory agency within five days of the test.

Analysis found contamination of less than 0.005 microcurie.

Analysis authorized by WI License 117-1005-01


Richard Aguinaga
Radiation Safety Officer

REVIEWED BY RADIATION SAFETY OFFICER
(If required by your license sign below)



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Richard Aguinaga
Aguinaga Technical Services
1924-C Calumet Drive
Sheboygan, WI 53081
Phone: (920) 803-8789
Fax: (920) 803-8707

LEAK TEST CERTIFICATE

Attn: Jeff Blum
Weaver Boos Consultants
820 Monroe NW Suite 333C
Grand Rapids MI 49503

A leak test has been performed on the following gauge:

Manufacturer: Troxler
Model: 3440
Serial Number: 28219
Cs137 Serial Number: 750-2189
Am241/Be Serial Number: 47-24900

Date Sample Collected: 2/1/2005

Date Sample Analyzed: 2/5/2010

Collected by: Jeff Blum

Analyzed By: Richard Aguinaga

Sample Activity α : < .000004 μ Ci

Sample Activity β : < .00005 μ Ci

A sample activity of 0.005 μ Ci or greater is considered by Federal and most Agreement state regulations to be a leaking source and must be removed from service and reported to the applicable regulatory agency within five days of the test.

Analysis found contamination of less than 0.005 microcurie.

Analysis authorized by WI License 117-1005-01


Richard Aguinaga
Radiation Safety Officer

REVIEWED BY RADIATION SAFETY OFFICER
(if required by your license sign below)



FAX TRANSMISSION

CITY OF SOUTH BEND

227 W. Jefferson Blvd.

South Bend, IN 46801

Phone: 219-235-9251

Fax: 219-235-9171

To: Michael Herr
Date: February 22, 2010
Fax #: 630-515-1078
Pages: 9 Pages (including cover sheet),
From: Toy Villa
Subject: Correspondence pertaining to License No. 13-15243-03

COMMENT-S:

Michael:

I am faxing the following information to your office which includes a letter explaining the storage location for the Troxler Gauges, a drawing laying out the location of the gauges at the Public Works Service Center, a revised letter from the new RSO, a copy of the RSO's training certificate, a copy of the Source Certificates for both gauges and a copy of the Leak Test Certificates for both gauges.

If you need any other information please feel free to call me at 574-235-5920 or e-mail me at tvilla@southbendin.gov.

A handwritten signature in black ink that reads "Toy Villa". The signature is written in a cursive, flowing style.

Toy Villa,
Construction Manager