MATERIALS LICENSE

Amendment No. 03

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, 36, 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.

302277

Licensee	
1. OMM Engineering, Inc.	In accordance with letter dated January 30, 1997
2. 1680 East Paris, S.E. Grand Rapids, MI 49546	3. License Number 21-25914-01 is amended in its entirety as follows:
	4. Expiration Date November 30, 2003
	5. Docket or Reference No. 030-30556

6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Cesium-137	A. Sealed source (Troxler Dwg. No. A-102112)	A. No single source to exceed 10 millicuries
B. Americium-241	B. Sealed source (Troxler Dwg. No. A-102451)	B. No single source to exceed 50 millicuries

9. Authorized Use:

A. and B. To be used in Troxler Model 3400 Series surface moisture/density gauges.

CONDITIONS

10. Licensed material may be stored at the licensee's facilities located at Olson, Meyers & May, Inc., 1550 Beltline, S.E., Grand Rapids, Michigan, 1680 East Paris, S.E., Grand Rapids, Michigan, and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

11. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have successfully completed a gauge manufacturer's training course and have been designated by the licensee's Radiation Protection Officer. The licensee shall maintain records of the individuals who have been designated as authorized users.

12. The Radiation Protection Officer for the activities authorized by this license is Gary L. Lindeman.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
21-25914-01

Docket or Reference Number
030-30556

Amendment No. 03

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 specified by the certificate of registration referred to in 10 CFR 32.210.

B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

C. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

D. Sealed sources need not be leak tested if:

(i) they contain only hydrogen-3; or

(ii) they contain only a radioactive gas; or

(iii) the half-life of the isotope is 30 days or less; or

(iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or

(v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

E. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, ATTN: Chief, Nuclear Materials Safety Branch, 801 Warrenville Road, Lisle, Illinois 60532-4351. The report shall specify the source involved, the test results, and corrective action taken.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
21-25914-01
Docket or Reference Number
030-30556
Amendment No. 03

F. The licensee is authorized to collect leak test samples for analysis by Troxler. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

14. Sealed sources containing licensed material shall not be opened or removed from the gauge by the licensee.

15. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage, or when not under the direct surveillance of an authorized user.

16. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.

17. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

18. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Applications dated April 25, 1988 and June 30, 1993; and

B. Letters dated January 30, 1997 and February 24, 1997.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 17 March 1997

By William P. Kunkel
Nuclear Materials Licensing Branch, Region III

COPY

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03121
Status Code: 0
Fee Category: 3P
Exp. Date: 20031130
Fee Comments:
Decom Fin Assur Reqd: N

SM
15

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   Applicant/Licensee: OMM ENGINEERING, INC.
   Received Date: 970203
   Docket No: 3030556
   Control No.: 302277
   License No.: 21-25914-01
   Action Type: Amendment

2. FEE ATTACHED
   Amount: ---Ø---
   Check No.: ---Ø---

3. COMMENTS

Signed D. Hersey
Date 2-13-97

1997 FEB -7 AM 9:13

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered √)

1. Fee Category and Amount: 3P $300

2. Correct Fee Paid. √ Application may be processed for:
   Amendment √
   Renewal
   License

3. OTHER

Signed JC
Date 2/14/97

FEB 21 1997

Log Feb 4 III
Remitter
Check No. #2900
Amount $300
Fee Category 3P
Type of Fee AMD
Date Check Rec'd 2/7/97
Date Completed 2/14/97
By: JC

omm engineering, inc. 1550 east beltline, s.e., grand rapids, mi. 49506 616-957-4350

January 30, 1997

B.J. Holt, Branch Chief
U.S. Nuclear Regulation
Commission Region III
801 Warrenville Road
Lisle, IL 60532-4351

RE: Materials License No. 21-25914-01 Docket No. 030-30556

ATTENTION: MATERIALS LICENSING

Dear B.J.:

We are by copy of this letter, requesting an amendment to our existing license. The following changes are requested:

1. (Item No. 10) Change to: Licensed material may be stored at the licensee's facilities located at OMM Engineering Inc., 1680 East Paris SE, Grand Rapids Michigan, 49546; and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulation Commission maintains jurisdiction for regulating the use of licensed material.

2. (Item No. 12) Change to: The radiation protection officer for the activities authorized by this license is Gary L. Lindeman.

3. (Item No. 18) Change to: Film badges shall be exchanged quarterly.

Reason for changes are:

#10. We are moving to a new office location the first of April 1997. I have enclosed a layout of the building with location of area we will store our gauge in. The room will be secured and marked as having a radiation piece of equipment in it. The building itself including this room are on an intrusion and fire monitoring security system.

#12 A change of radiation officer monitoring the use and activities of the gauge from Leon A. May to Gary L. Lindeman who is certified and trained in the use and safety of density testing equipment since 1989.

Pm: 1-31-97

302277

#18 We are requesting that we be allowed to change badges from monthly to quarterly, due to the fact that we generally to do no use the gauge during the months of December through March and therefore, send back film badges unused for testing. We have been using a gauge since 1988 and to date the highest reading of any of our personnel is "permanently to date 0.490 REM", and we will not do anything to lessen our safety record with personnel using the equipment.

Please review our request, as soon as possible, as we will have to vacate our present location in 60 days and can't move the gauge without your permission. I appreciate your impending help this matter. If you have any questions, please call me at 616-957-4350.

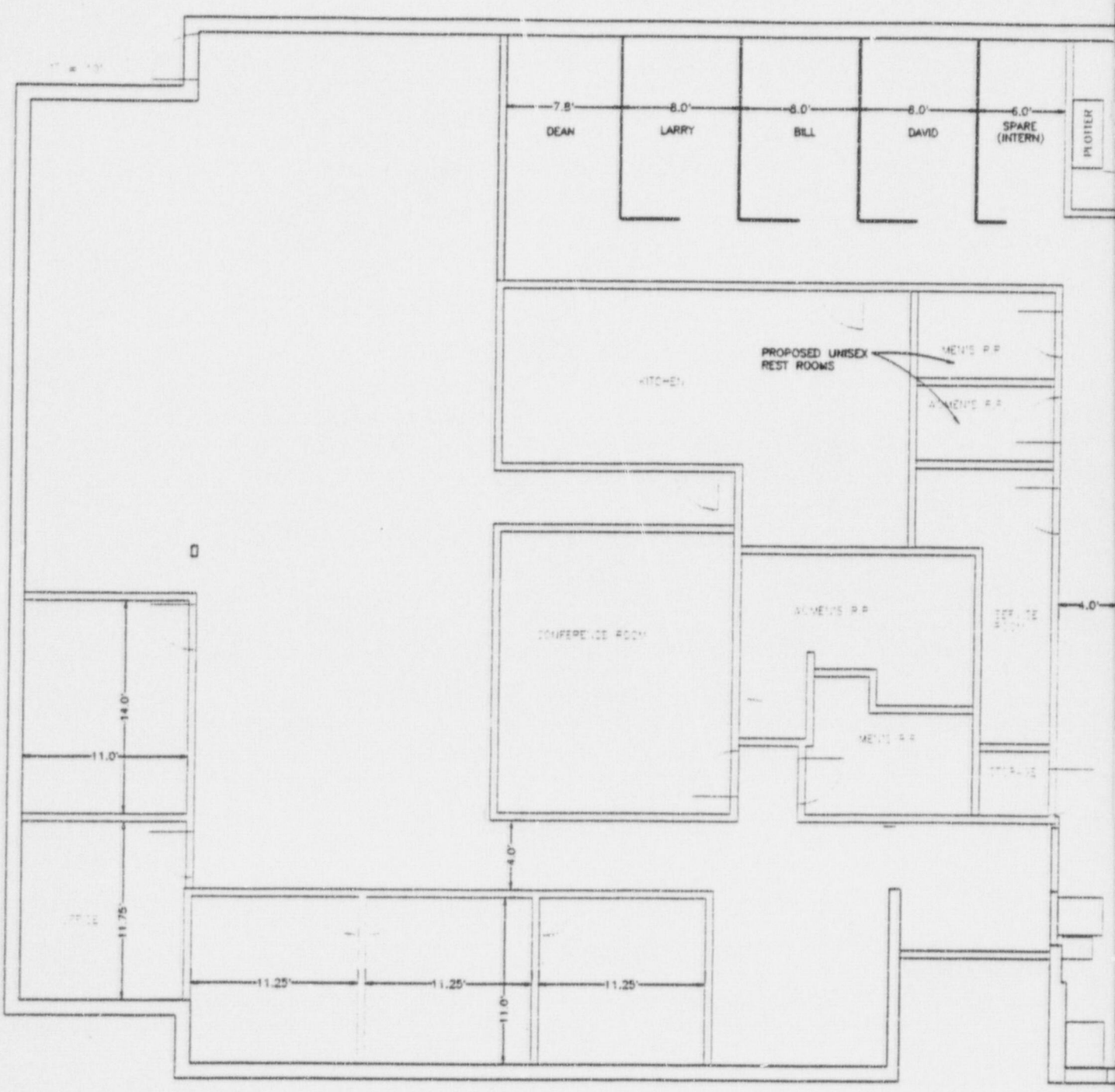
Respectfully,
OMM ENGINEERING, INC.

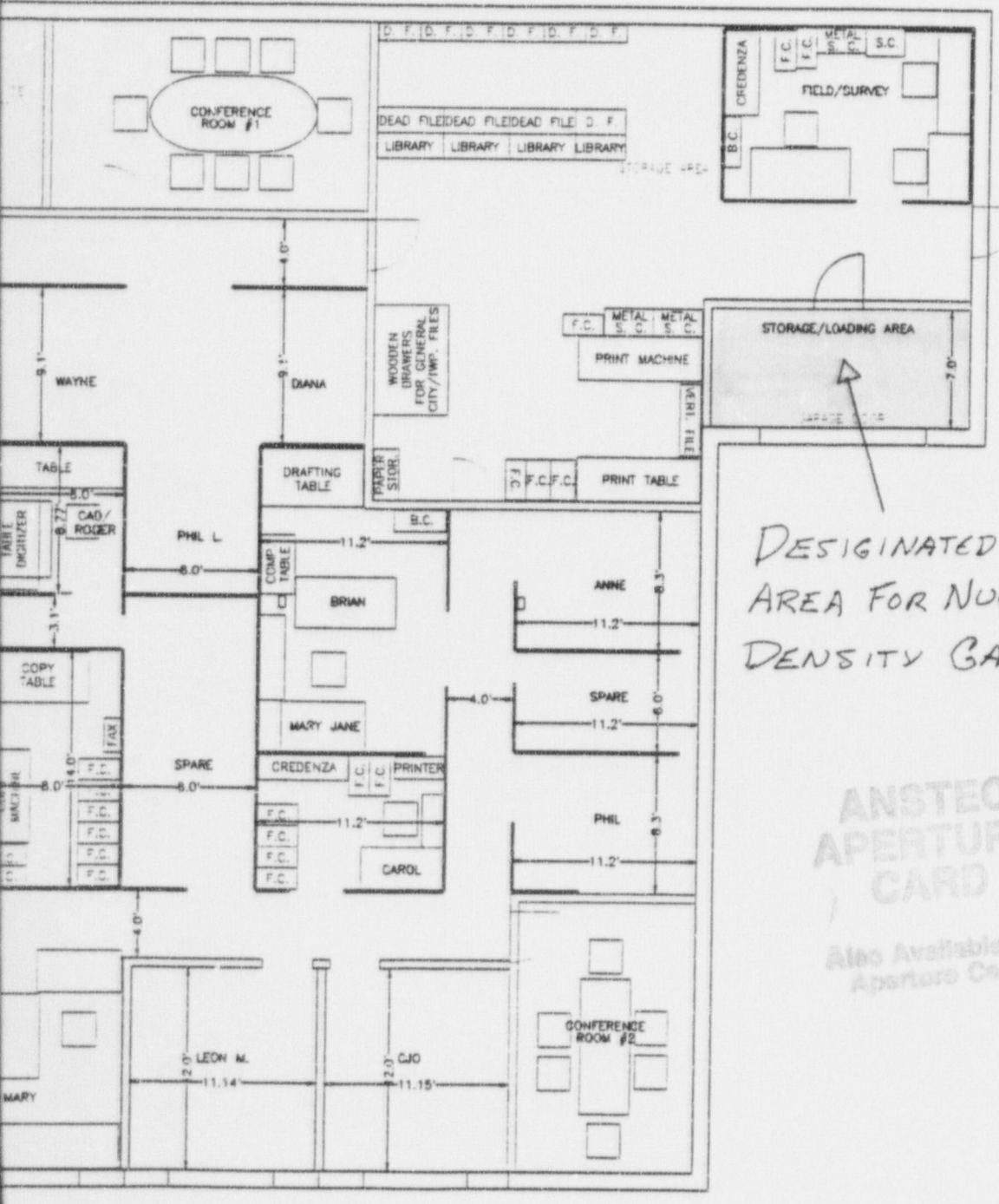
Gary Lindeman
Assistant Construction Manager

Enclosure: Floor Plan

GL/mjt

C:\OMM\Nuclic.wps


7.8'
DEAN
8.0'
LARRY
8.0'
BILL
8.0'
DAVID
6.0'
SPARE
(INTERN)
PLOTTER
PROPOSED UNISEX
REST ROOMS
KITCHEN
MEN'S R.R.
WOMEN'S R.R.
CONFERENCE ROOM
WOMEN'S R.R.
MEN'S R.R.
14.0'
11.0'
11.75'
4.0'
11.25'
11.25'
11.25'
11.0'



DESIGNATED STORAGE AREA FOR NUCLEAR DENSITY GAUGE

APPROVED BY THE BOARD OF DIRECTORS 1/29/97

970328035B-01

omm engineering, inc
civil engineers/surveyors
1550 east beltline, s.e.
grand rapids, mi. 49506
616-957-4350

OMM ENGINEERING, INC.
BUILING LAYOUT
1680 EAST PARIS
GRAND RAPIDS, MICHIGAN

DJK	1/97
B.O.D.	1/97
6000	

MAR 17 1997

Gary L. Lindeman
Radiation Protection Officer
OMM Engineering, Inc.
1550 East Beltline, S.E.
Grand Rapids, MI 49506

Dear Mr. Lindeman:

Enclosed is Amendment No. 03 to your NRC Material License No. 21-25914-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please note we have extended the expiration date of the license for five years in accordance with the regulations (10 CFR 30.36).

Please be advised that we cannot authorize you to release your "old storage area" for unrestricted use (even by other members of your staff) until we have received and reviewed a copy of the results of your close-out survey. Please submit the following information:

1. A list of the radiological isotopes that were actually used at the site. To the extent possible (and reasonable), the quantities and dates of use of these isotopes should also be provided.

2. The physical form of each isotope, i.e., was it a sealed source or was the isotope used in a loose form.

3. Information regarding major radiological spills of any licensed isotopes such as the location of the spill(s) and pertinent radiological information about the spill(s). (Major spills for the purpose of this document means a spill that resulted in off-site contamination or any other spill where more than minimal decontamination effort is required, e.g., spills requiring assistance in (cleanup) and monitoring from persons other than the user).

4. Information on any leaking sealed source used or stored at the site being released, including isotope, amount of leakage, contamination of other areas or personnel, description of (cleanup), and disposition of the source. If no sources were determined to be leaking at the facility, the licensee should state this fact.

302277

5. Please confirm that all radionuclides were removed from the "old storage area" and transferred to the "new storage area."

Please submit your close-out survey as additional information to Control Number 302277.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.

2. Notify NRC, in writing, within 30 days:

   a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or

   b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).

3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.

4. Request and obtain a license amendment before you:

   a. Change Radiation Safety Officers;

   b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;

   c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or

   d. Change ownership of your organization.

5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
W. P. Reichhold
Nuclear Materials Licensing Branch

License No.: 21-25914-01
Docket No.: 030-30556

Enclosure: Amendment No. 03

DOCUMENT NAME: M:\03030556.CL7

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII	C							
NAME	WREICHHOLD:jaw								
DATE	03/11/97								

OFFICIAL RECORD COPY

omm engineering, inc. 1550 east beltline, s.e., grand rapids, mi. 49506 616-957-4350

February 24, 1997

Mr. Bill Reichhold
United States Nuclear Regulation Comm.
Region 3
801 Warrenville Road
Lisle, IL 60532-4351

RE: Request for amendment to our license

Dear Bill:

In response to your letter of February 12, 1997:

NEW LOCATION:

1. The new location is near a office complex. We are in one story building shared by one other company (divided) each on one end and approximately 200 ft from other buildings.

2. The gauge will be in our storage area locked in a cabinet with access to it only by a key issued to our licensed trained personnel in its use.

RADIATION SAFETY OFFICER (R.S.O)

1. Our new R.S.O. graduated from Manistee High School, Manistee, Michigan and has about 1 1/2 years of college, plus other specialized training the construction and law enforcement areas. Enclosed is a copy of his manufacturers certificate.

2. Our personnel monitoring badges are by Landover of 2 Science Rd., Glenwood, IL - Phone 708-755-7000 and would be Type "K" TLD Badges.

I hope the above answers clarify your questions. Please review our request ASAP, as we are approaching our move date, March 21, 1997 and can't move gauge without your permission. I appreciate your assistance in this matter. If you have additional questions, please call.

Sincerely,
OMM ENGINEERING, INC.

Gary Lindeman
Assistant Construction Manager

GL/mjt

Enclosure

C:\OMM\Nucque.wps

RECEIVED
FEB 28 1997
REGION III

PM: 2-24-97

FEB 28 1997

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

GARY LINDEMAN

of

OLSON, MEYERS AND MAY, INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC. 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*

INSTRUCTOR

FEBRUARY 24, 1989
DATE

W.F. TROXLER
PRESIDENT

№ 25921

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

February 6, 1997

Gary L. Lindeman
Radiation Safety Officer
OMM Engineering, Inc.
1550 East Beltline, S.E.
Grand Rapids, MI 49506

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 01/30/97)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

___ New License X Amendment ___ Renewal

Administrative deficiencies were identified during this initial review as outlined below. However, it should be noted that a technical review may identify additional omissions in the submitted information.

It appears that your request is routine (see 1-3 below as, applicable).

Incomplete information is as follows: In order for us to complete your amendment request the required fee is necessary. Please contact our License Fee & Debt Collection Branch, as referenced below, to obtain the correct fee amount.

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.

2. Renewal actions are normally processed within 180 days, however under timely filing (before expiration) you may continue to operate under your existing license.

3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 302277
License No. 21-25914-01