

## MATERIALS LICENSE

Amendment No. 06

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.

Licensee		In accordance with application dated May 25, 1995	
1. CHMP, Inc.		3. License Number 21-18701-01 is renewed in its entirety to read as follows:	
2. 5198 Territorial Road Grand Blanc, MI 48439		4. Expiration Date May 31, 2007	
		5. Docket or Reference No. 030-14062	
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 5198 Territorial Road, Grand Blanc, 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. The Radiation Safety Officer for this license is William Hohloch, Jr.

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

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12. Licensed material shall only be used by, or under the supervision and in the physical presence of, William Hohloch, Jr. or individuals who have successfully completed the manufacturer's training program for gauge users, have been instructed in the licensee's routine and emergency operating procedures and who have been designated by the Radiation Safety Officer.
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.

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- 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.
- 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 gauges by the licensee.
- 15. When performing tests at temporary job sites, the authorized user shall not leave the moisture/density gauge unattended. Upon completion of tests the device shall be locked in the licensee's vehicle or a secure building to prevent unauthorized use, loss or theft.
- 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. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
- 19. 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.

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20. 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.
21. 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. Application dated March 25, 1995; and
- B. Letters dated April 9, 1997 and May 2, 1997.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 16 1997

By

*William P. Reichhold*

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: 2  
FEE CATEGORY: 3P  
EXP. DATE: 19950630  
FEE COMMENTS:  
DECOM FIN ASSUR RECDT N

RECEIVED  
JUN 15 1995  
REGION III

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: CHMP, INC.  
RECEIVED DATE: 950605  
DOCKET NO: 3014062  
CONTROL NO.: 398667  
LICENSE NO.: 21-18701-01  
ACTION TYPE: RENEWAL

2. FEE ATTACHED  
AMOUNT: 680  
CHECK NO.: 45723

3. COMMENTS

SIGNED  
DATE

A. Hersey  
6-7-95

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED / /)

1. FEE CATEGORY AND AMOUNT: 3P

#680.00

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

3. OTHER

SIGNED  
DATE

SC 6/13/95

Log	June 6th
Remitter	
Check No.	45723
Amount	\$680.00
Fee Category	3P
Type of Fee	Renewal
Date Check Rec'd	6-9-95
Date Completed	6-13-95
By:	SC

1995 JUN 15 11:00 CO

## APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

## APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

## ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

## IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,  
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,  
RHODE ISLAND, OR VERMONT. SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION  
NUCLEAR MATERIALS SAFETY BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO  
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA.  
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
101 MARIETTA STREET, NW, SUITE 2900  
ATLANTA, GA 30323-0199

## IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN.  
SEND APPLICATIONS TO:

MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
801 WARRENVILLE RD.  
LISLE, IL 60532-4351

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,  
LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA,  
OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH,  
WASHINGTON, OR WYOMING. SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
811 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-8064

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

## 1. THIS IS AN APPLICATION FOR (Check appropriate item)

- ☐ A. NEW LICENSE  
☐ B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_  
☒ C. RENEWAL OF LICENSE NUMBER 21-18701-01

## 2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)

CHMP, INC.  
5198 Territorial Road  
Grand Blanc, MI 48439

## 3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

5198 Territorial Road  
Grand Blanc, MI 48439

## 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Gale L. Criner (RSO)

## TELEPHONE NUMBER

(810) 695-5910

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS
9. FACILITIES AND EQUIPMENT	10. RADIATION SAFETY PROGRAM
11. WASTE MANAGEMENT	12. LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY <u>C-Renewal</u> AMOUNT ENCLOSED \$ <u>680.00</u>
13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.  THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.  WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.	

## CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Mr. William F. Hohloch Sr. - President

## SIGNATURE

*William F. Hohloch Sr.*

## DATE

5/25/95

## FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

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JUN 05 1995 JUN 05 1995

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Application for Material License  
NRC Form 313

Item 5      Radioactive Material

- A.    Cesium - 137, 8m, Ci
- B.    Americium - 231, 40m, Ci
  - 1.    Sealed Source - Troxler No. A-102112
  - 2.    Sealed Source - Troxler No. A-102451
    - a.    Gauge Model      3411B  
         Serial No.      6359
    - b.    Gauge Model      3411B  
         Serial No.      6012
    - c.    Gauge Model      3430A  
         Serial No.      23556

Item 6      Licensed material to be used in Troxler Surface moisture-density gauges.

Item 7      Individual responsible for Radiation Safety Program  
              Mr. Gale L. Criner - Radiation Protection Officer  
                         Troxler Electronic Laboratories - Training course for the use  
   of Nuclear Testing  
   Equipment (10-22-91)  
                         Density Control School - Ferris State University (03-05-91)  
              Radiation Protection Officer has independent authority to stop any  
              unsafe operations and will be given sufficient time to fulfill his  
              radiation safety duties.  
              Radiation Protection Officer duties and responsibilities will be  
              those listed in Appendix C of Policy and Guidance Directive Pg. 2-  
              07(Rev 0) dated September 1994.

Item 8      Training for individuals working in or frequenting Restricted Areas.  
              All individuals permitted to use a gauge will have successfully  
              completed a training course and be certified by Troxler Electronic  
              Laboratories and be designated as an authorized use by the  
              RSO. A refresher training will be provided by the RSO for all  
              gauge users at yearly intervals, with a review of operating and  
              emergency procedures. Also a review of D.O.T. requirements,  
              changes in applicable regulations or license conditions and  
              deficiencies identified during the performance of annual audit of  
              the radiation safety program.

Item 9      Facilities and Equipment

The licensed material is stored in a restricted area at 5198 Territorial Road, Grand Blanc, Michigan. Each gauge in the storage area is secured by a lock and chain. Only authorized users have access to the secured gauges which is under surveillance by the RSO. Gauges at temporary jobsites are in a locked van or secured in the trunk of a car under constant surveillance by the authorized user.

Item 10      Radiation Safety Program

All gauge users will be required to wear a Radiation Dosimetry Badge, which will be monitored every 3 months by Siemen Medical Systems - Dosimetry Service Radiation Detection Instrument will be provided by Troxler Electronic Laboratories which will be on call for any emergency service.

Leak - Testing will be performed at 6 months intervals on each gauge using a commercial leak-test kit and which will be evaluated by Troxler Electronic Laboratories, Inc.

Inventories will be conducted by the RSO at intervals not to exceed 6 month to account for all gauges possessed under the license.

Transportation of gauges to field locations will be in compliance with DOT regulations and will have and will maintain current copies of DOT regulations, which will include develop and implement procedures to comply with DOT regulations.

Operating and Emergency Procedures

1. Before removing the gauge from its place of storage, check to make sure that the gauge source rod is in the shielded, locked position, then lock the transport case if possible.
2. Sign the gauge out in a log book including the date(s) of use, name(s) of the authorized users who will be responsible for the gauge, and the temporary jobsite(s) where the gauge will be used.
3. Never leave the gauge unattended while in your custody.
4. Follow all applicable Department of Transportation (DOT) requirements when transporting the gauge.
5. Do not touch the source rod with your fingers, hands, or any part of your body and always make sure the source rod is in the shielded position after each measurement is made.
6. Always wear your assigned thermoluminescent dosimeter (TLD) or film badge when using the gauge.
7. Never wear another person's TLD or film badge.
8. Never store your TLD or film badge near the gauge and must be worn at all times while using gauge.
9. Always keep unauthorized persons away from the area where the gauge is to be used.
10. Always maintain constant surveillance and immediate control of the gauge when it is not in storage.



11. To assist operators of heavy equipment in seeing gauges at construction sites, always "stake and flag" each gauge, being sure that the flags are tall enough to be seen by heavy equipment operators.\* When not in use place gauge outside the construction right of way area with the "stake and flag".
12. Never look under the gauge when the source rod is being lowered into the ground.
13. After each measurement, always return the source to the shielded position and lock it there. Always place on reference standard.
14. When the gauge is not in use at a temporary jobsite, place the gauge in a secured storage location (e.g., locked in the trunk of a car or locked in a storage shed).
15. Return the gauge to its proper storage location at the end of the work shift.
16. When the gauge is returned to storage, so indicate in the source log.

#### Emergency Procedures

If the source fails to return to the shielded position (e.g., as a result of being damaged) or if any other emergency or unusual situation arises (e.g., the gauge is struck by a moving vehicle, is dropped, or is in a vehicle involved in an accident):

1. immediately secure the area around the gauge;
2. prevent unauthorized personnel from entering the secured area;
3. if any heavy equipment is involved, detain the equipment until it is determined there is no contamination present;
4. notify licensee management of the situation, calling company personnel in the order listed below:

<u>NAME</u>	<u>WORK PHONE</u>
Gale L. Criner	810-695-5910
Gregory J. Gucwa	810-695-5910
William F. Hohloch Jr.	810-695-5910

5. follow directions provided by the person contacted in step 4.

Item 11 Disposal will be by transfer of radioactive material to a person who is specifically licensed to receive and possess it.

\* A fiberglass whip with a flag at the top (available as a bicycle accessory) can be attached to the gauge to make its location more obvious to heavy equipment operators.

MAY 16 1997

William F. Hohloch, Jr.  
Radiation Safety Officer  
CHMP, Inc.  
5198 Territorial Road  
Grand Blanc, MI 48439

Dear Mr. Hohloch:

Enclosed is Amendment No. 06 renewing your NRC Material License No. 21-18701-01 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 that as part of this renewal, in accordance with 10 CFR 30, effective February 6, 1997, the expiration date of your license has been extended by a period of ten years. Your new expiration date is stated in Item 4 of the license.

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 mailing address listed on the license 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 a decision is made to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
  - a. Change Radiation Safety Officers;

398667

- 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 Statement of Policy and Procedure 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.: 21-18701-01

Docket No.: 030-14062

Enclosure: Amendment No. 06

DOCUMENT NAME: M:\03014062.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 <i>WR</i>							
NAME	WREICHOLD:jaw							
DATE	05/19/97							

OFFICIAL RECORD COPY

CHMP INC.  
5198 TERRITORIAL ROAD  
GRAND BLANC, MI 48439



TELEPHONE 810/695-5910

May 2, 1997

Mr. William Reichhold  
Region 3  
801 Warrenville Road  
Lisle, Illinois 60532-4351

RE: Mail Control 398667

Dear Mr. Reichhold:

In response to your letter, dated April 18, 1997, for additional information I submit the following.

**Survey Meter**

1. As I stated in my previous correspondence, the period that we employ the use of the Nuclear Density gauges is about 7 to 8 months. To calibrate the survey meter at exact 6 month intervals would leave our company out of compliance while the meter is being calibrated. The meter will be calibrated in late spring of each year. As it stands right now our company has two qualified individuals to use the gauges and meter. I would also note that our activities in the construction field are exclusively in proposed housing developments and municipal work. We do not engage in any oil field, chemical, or electrical power generation facilities that would place the survey meter in an undesirable or harsh environment.
2. The survey meter our company has purchaes in a "Troxaalert", Serial No. 2324. It is a G.M. Model.
3. The range is 0-1 millirem/hr., 0-10 millirem/hr, and 0-100 millirem/hr. using three scales.
4. The survey meter will be checked against a properly functioning gauge before being taken into the field. The meter also has a battery level indicator.

**Maintenance**

All maintenance and cleaning will be done according to manufactures instructions and recommendations. The source rod will not be removed by any personnel of this comp

**RECEIVED**

**MAY 05 1997**

**REGION III**

**MAY 05 1997**



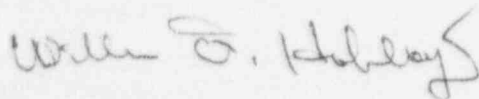
Page 2

**RSO**

Please remove Gale Criner as the Radiation Safety Officer for our company. Send any future correspondence to William F. Hohloch, Jr.

If you have any other questions or concerns please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "William F. Hohloch, Jr.", written in dark ink.

William F. Hohloch, Jr.  
RSO

WFH.dek

CHMP INC.  
5198 TERRITORIAL ROAD  
GRAND BLANC, MI 48439



TELEPHONE 810/695-5910

April 9, 1997

Mr. William Reichhold  
United States Nuclear Regulatory Commission  
Region III  
801 Warrenville Road  
Lisle, Illinois 60532-4351

RE: License Renewal

Dear Mr. Reichhold:

Pursuant to our (CHMP, INC.) request for license renewal the following information is provided to clarify questions, from Patricia M. Vacherion, arising from our previous application. This should be referenced to Control Number 398667.

ITEM 1: RADIATION DETECTION INSTRUMENTS

Troxler Laboratory is providing us with an instrument for damage assessment. It will fulfill the requirements outlined in PG 2-07, Section 10.2.

The device will be calibrated by Troxler Laboratory at the onset of our construction season, around the end of April, of any given year. The end of construction activities generally ends in October. This is a window of 6 to 7 months.

As we employ the use of the two gauges, with one used as an alternate, the monitoring device would be on the site which would most inconvenience the public in the event of an accident. The majority of our work involving density testing is done on new projects not yet accessible to the general public. These types of projects would allow complete closure, with no inconvenience or threat to the public, very quickly and easily.

ITEM 2: MAINTENANCE

Gauges are only cleaned by myself and only when enough material has accumulated in and around the guide bushing and "trap door" on the bottom plate of the gauge to impede the extension of the source rod. Service is done in a basement area in a corner of the building. There is a concrete floor.

*Pm, 4-10-97*

RECEIVED

APR 14 1997

REGION III

APR 14 1997

Mr. Bill Reichhold

April 9, 1997

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above the basement, above that is a kitchen and dining area that is not in constant use. Any further cleaning is done by personnel of the Michigan Department of Transportation at their facilities when the gauges are being calibrated. This is the only time the source rod may be removed from the gauge.

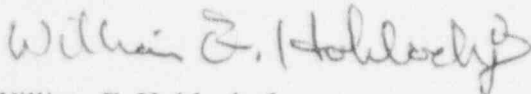
ITEM 3: ANNUAL AUDIT

The audits will need to be conducted by myself as there is not other qualified individual. We will conduct audits as described in Appendix I of this Regulatory Guide. (Draft Regulatory Guide DG - 0008).

If you have any other questions or concerns please do not hesitate to contact me.

Sincerely,

CHMP, INC.

A handwritten signature in dark ink, appearing to read "William F. Hohloch, Jr.", with a stylized flourish at the end.

William F. Hohloch, Jr.  
R.S.O.

WFH.dek

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

WILLIAM F. HOHLOCH, JR.

of

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

## Gauge Operation

- |                         |                      |
|-------------------------|----------------------|
| 1. Instrument theory    | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance          |                      |

  
INSTRUCTOR

03-24-87

DATE

№ 16534

W. F. Troxler

PRESIDENT



AUG 21 1996

Gary L. Criner  
Radiation Safety Officer  
CHMP, Inc.  
5198 Territorial Road  
Grand Blanc, MI 48439

Dear Mr. Criner:

We have reviewed your May 25, 1995 request for renewal, and find that in order to complete our review, we will need additional information as follows:

1. RADIATION DETECTION INSTRUMENTS

Your application was not clear on this point. Provide the information regarding an operating survey instrument at each job site. Refer to Item 10.2 in the enclosed guide for the type of information you should submit to us.

2. MAINTENANCE

Describe your maintenance procedures with particular emphasis on source shielding if you remove or extend the source during maintenance procedures. Refer to Item 10.5 of the enclosed guide.

3. ANNUAL AUDIT

Provide us with a commitment that you will conduct annual audits of your program. Refer to Item 10.8 of the enclosed guide.

4. TRAINING

Submit a copy of the Troxler certificate received by Mr. Criner upon completion of the training course.

We will continue our review of your application upon receipt of this information. Please reply in duplicate, within 30 days, and refer to Control Number 398667.

G. Criner

-2-

AUG 21 1996

If you have any questions or require clarification on any of the information stated above, you may contact us at (630) 829-9887.

Sincerely,

Original Signed By  
Patricia M. Vacherlon  
License Reviewer

License No. 21-18701-01  
Docket No. 030-14062

Enclosure: Portable Gauge Guide DG-0008

DOCUMENT NAME: M:\03014062.DF6

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OFFICE	DNMS/RIII							
NAME	PMVacherlon:brt							
DATE	08/ /96							

OFFICIAL RECORD COPY

June 8, 1995

CHMP, Inc.  
ATTN: Gale L. Criner  
Radiation Safety Officer  
5198 Territorial Road  
Grand Blanc, MI 48439

SUBJECT: LICENSE RENEWAL APPLICATION

Dear Mr. Criner:

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Sincerely,

Original Signed By  
Marianne Meenan, Chief  
Nuclear Materials Support Section

License No.: 21-18701-01  
Control No.: 398667

DOCUMENT NAME: M:\03014062.DT5

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