

MATERIALS LICENSE

Amendment No. 01

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

1. Plastatech Engineering, Ltd.

2. 725 Morley Drive
Saginaw, MI 48601In accordance with letter dated
September 11, 19963. License Number 21-26714-01 is amended in
its entirety to read as follows:

4. Expiration Date August 31, 2001

5. Docket or
Reference No. 030-341176. Byproduct, Source, and/or
Special Nuclear Material7. Chemical and/or Physical
Form8. Maximum Amount that Licensee
May Possess at Any One Time
Under This License

A. Krypton-85

A. Sealed Source
(Institute National
de Radioelements
700-052.002/4,
Amersham Corp.
KAC.D1, Amersham
Corp. KAC.D3)A. Two sources not
to exceed 300
millicuries each

9. Authorized Use:

A. To be used in Betacontrol Model MK 1.0 source holder for thickness measurements.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 825 Morley Drive, Saginaw, Michigan.
11. The Radiation Safety Officer for this license is Albert Janni.
12. Licensed material shall be used by, or under the supervision of, Albert Janni.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.

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PDR ADOCK 03034117
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

21-26714-01

Doclet or Reference Number

030-34117

Amendment No. 01

15. Installation, initial radiation survey, relocation, removal from service, maintenance, and repair of devices containing sealed sources shall be performed by Betacontrol or by persons specifically licensed by the Commission or an Agreement State to perform such services. Installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services.
16. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by the Commission or an Agreement State.
17. The licensee shall operate each gauge within the manufacturer's specified temperature and/or environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.
18. The licensee shall assure that the shutter mechanism is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify as appropriate its "lock-out" procedures whenever a new gauge is obtained to incorporate the device manufacturer's recommendations.
19. Each gauge shall be tested for the proper operation of the on-off mechanism and indicator, if any, at no longer than 6-month intervals or at such longer intervals as specified by the manufacturer and approved by NRC.
20. The licensee may not possess and use materials authorized in Items 6, 7, and 8 until:
 - A. The licensee has constructed the facilities and obtained the equipment described in the application and supporting documentation; and
 - B. The U. S. Nuclear Regulatory Commission, Region III, ATTN: Chief, Materials Licensing Branch, 801 Warrenville Road, Lisle, IL 60532-4351 has been notified that activities authorized by the license will be initiated.
21. Within 30 days of the date of a decision not to complete the facility, acquire equipment, or possess and use authorized material, the licensee must notify the Commission in writing, of the decision.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

21-26714-01

Docket or Reference Number

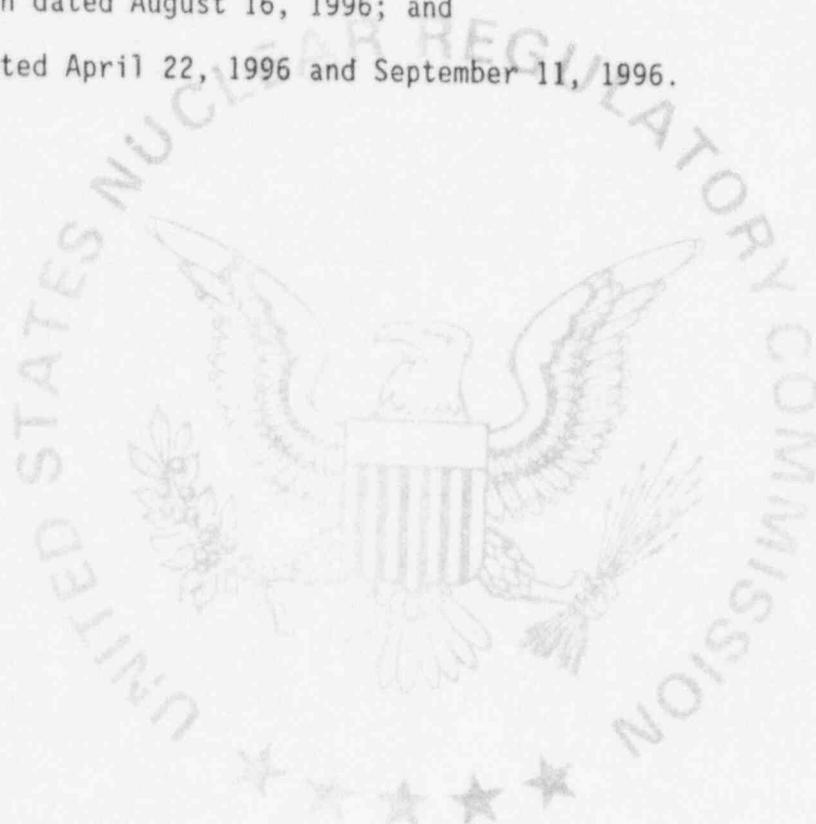
030-34117

Amendment No. 01

22. 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 August 16, 1996; and

B. Letters dated April 22, 1996 and September 11, 1996.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

9/18/96

By

Michael F. Webb

Nuclear Materials Licensing Branch, Region III

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BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

S2

Program Code: 03120
Status Code: 0
Fee Category:
Exp. Date: 20010831
Fee Comments:
Decom Fin Assur Req: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: PLASTATECH ENGINEERING, LTD.
Received Date: 960913
Docket No: 3034117
Control No.: 301828
License No.: 21-26714-01
Action Type: Amendment

2. FEE ATTACHED

Amount: ~~-----~~
Check No.: ~~-----~~

* ADDL INFO
301184 - S2

3. COMMENTS

Signed D. Hersey
Date 9-15-96

B. LICENSE FEE MANAGEMENT BRANCH **FEE NOT REQUIRED** (When License Fee is entered / /)

1. Fee Category and Amount: 3P Continuation of 301184

2. Correct Fee Paid. Application may be processed for:

Amendment
Renewal
License

3. OTHER

Signed SC
Date 9/24/96

1996 SEP 20 AM 11:56

SEP 30 1996

| | |
|-------------------|-----------------------|
| RECEIVED BY LFDCB | |
| Date | <u>Sept. 20, 1996</u> |
| Log | <u>SEP 7 TH</u> |
| By | <u>SC</u> |
| Date Completed | <u>9/24/96</u> |



525 Morley Drive
Saginaw, Michigan 48601
(517) 753-6486
(800) 248-0280
FAX (517) 753-4472
FAX (800) 432-9331

September 11, 1996

Mr. Michael F. Weber
Materials Licensing Region III
USNRC
801 Warrenville Rd.
Lisle, IL 60632-4351

Re: Amemdment to License #21-26714-01

Dear Mike;

As we discussed on the phone this is a request to amend our license #21-26714-01. The activity of the source has changed.

The new source is :

Product Code: KAC11403
Description: Krypton 85 Beta source - Sealed source
Model: KAC.D1
Nominal Activity: 300 millicuries
Serial number: 3040X

The reason for the change is the application for license was based on the quotation. When the final machine was built, it was determined that a different source was needed.

I have enclosed a copy of the Radioactive Source Test Report. If there is anything else you need please call me at 800-248-0280.

Because our start up date is next month and the source is still in Europe please expedite this amendment.

Sincerely,

Tom Dorsey
Tom Dorsey

Director of Engineering Services

CC: John Greko
Kathy Allen

Continuation of 301184
FEE NOT REQUIRED

RECEIVED
SEP 13 1996
REGION III

Other Locations: Grants Pass, Oregon and Jackson, Mississippi

301827

1810681

Radioactive source test report

SHEET 1 OF 1

| | | | | | | | |
|---|--|---|--|--|--|----------------------------------|--|
| product code KAC11403 | | description KRYPTON-85 BETA SOURCE | | customer order no 104663 01 customer | | BSI/ISO classification C33232 | |
| AI item no WB9546 1 source model no | | SEALED SOURCE | | TRANS-O-FLEX SCHNELL-LIEFERDIENST HANSESTRASSE 61-63 5000 KOELN(PORZ-EIL) GERMANY | | special form certificate no | |
| KACD1 serial no batch no | | nominal activity 300mCi 11.1GBq measurement 1 | | measurement 2 | | 5 YEARS test P | |
| NANOAMPS | | date | | date | | test P | |
| 3040BX | | 14.95 | | 26/10/95 | | 26/09/95 03/10/95 | |
| notes | | | | | | | |
| refer to handling instruction no HI 013 | | | | | | | |
| signature | | position | | date | | 26/10/95 | |

*this classification complies with BS5288:1976, which is in agreement with ISO2919
(see overleaf for definition and description of tests)

Amersham International plc
Amersham Laboratories
White Lion Road
Buckinghamshire England HP7 9LL

Telephone (01494) 544000
Fax (01494) 543243
Cables Activity Amersham
Telex 83141 ACTIVA G

Amersham

SEP 25 1996

Tom Dorsey, Director
Engineering Services
Plastatech Engineering, Ltd.
725 Morley Drive
Saginaw, MI 48601

Dear Mr. Dorsey:

Enclosed is Amendment No. 01 to your NRC Material License No. 21-26714-01 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 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).

301828

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,

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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
Michael F. Weber
Nuclear Materials Licensing Branch

License No. 21-26714-01
Docket No. 030-34117

Enclosure: Amendment No. 01

DOCUMENT NAME: M:\03034117.CL7

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Copy with attachment/enclosure "N" = No copy

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| NAME | MFWeber:brt <i>autu</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| DATE | 09/18/96 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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