

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.

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|--|---|---|--|
| <p>Licensee</p> <p>1. ABS Global, Inc.</p> <p>2. 6908 River Road, Box 459 DeForest, WI 53532</p> | | <p>In accordance with letter dated November 1, 1996</p> <p>3. License Number 48-26589-01 is amended in its entirety to read as follows:</p> | |
| | | <p>4. Expiration Date September 30, 2004</p> | |
| | | <p>5. Docket or Reference No. 030-33580</p> | |
| <p>6. Byproduct, Source, and/or Special Nuclear Material</p> <p>A. Phosphorus-32</p> <p>B. Sulphur-35</p> | <p>7. Chemical and/or Physical Form</p> <p>A. Any</p> <p>B. Any</p> | <p>8. Maximum Amount that Licensee May Possess at Any One Time Under This License</p> <p>A. 20 millicuries</p> <p>B. 50 millicuries</p> | |
| <p>9. Authorized Use:</p> <p>A. and B. To be used in biological tracer protocols such as DNA sequencing and ATP studies.</p> | | | |

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 6908 River Road, DeForest, Wisconsin.
11. A. Licensed material shall be used by, or under the supervision of, Michael D. Bishop, Ph.D., or Douglas Porter.
B. The Radiation Safety Officer for this license is Michael D. Bishop, Ph.D.
12. The licensee is authorized to hold radioactive material with a physical half-life of less than 90 days for decay-in-storage before disposal in ordinary trash provided:
A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
48-26589-01

Docket or Reference Number
030-33580

Amendment No. 03

- B. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
- C. A record of each disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
13. The licensee shall not use licensed material in or on human beings except as provided otherwise by specific condition of this license.
14. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.
15. 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 June 6, 1994; and
- B. Letters dated September 2, 1994, February 14, 1995, September 20, 1995 (excluding all reference made to Michael Bishop, Ph.D.), September 28, 1995 and November 1, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date September 13, 1996

By Louise J. Hunter
Materials Licensing Branch, Region III

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9/12/94

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03620
Status Code: 0
Fee Category: JP
Exp. Date: 20040930
Fee Comments:
Decom Fin Assur Req: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ABS GLOBAL INCORPORATED
Received Date: 961101
Docket No: 3033580
Control No: 302015
License No: 48-26589-01
Action Type: Amendment

2. FEE ATTACHED

Amount: 610
Check No: 080484

3. COMMENTS

Signed
Date

D. Hersey
11-5-96

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

1. Fee Category and Amount: 3M 610

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

Amendment ☒
Renewal ☐
License ☐

3. OTHER

Signed
Date

SC
11/14/96

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| Log | Nov 5 III |
| Remitter | |
| Check No. | 80484 |
| Amount | 610 |
| Fee Category | 3M |
| Type of Fee | Amnd |
| Date Check Rec'd | 10/12/96 |
| Date Completed | 11/14/96 |
| By: | SC |

ENGELHARDT & ASSOCIATES, INC.

RADIATION CONSULTANTS

November 1, 1996

United States Nuclear Regulatory Commission
Nuclear Materials Licensing Section
Region III
801 Warrenville Rd.
Lisle, IL 60532-4531

RE: NRC License No. 48-26589-01

Dear Sir or Madam,

This letter is a request on behalf of ABS Global, Inc. to amend their NRC License No. 48-26589-01. The changes are described below. A check for the \$610 license amendment fee is enclosed.

The company name has changed from American Breeders Service to ABS Global, Inc. This is a company name change only. There were no other changes affecting company ownership of ABS Global, Inc. as a result of this name change.

In addition, Gregory A Hawkins, Ph.D., has left ABS Global, Inc. and should be removed from the license. ABS Global, Inc. is not adding another authorized user to the license at this time.

Thank you in advance for your expeditious response to this license amendment request. Please do not hesitate to call me if you need any additional information.

Sincerely,

Dee Kaiser

Dee Ann Kaiser
Manager, Health Physics Operations

cc: Michael D. Bishop, Ph.D., ABS Global, Inc.

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Pm: 10-29-96

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Michael Bishop, Ph.D.
Radiation Safety Officer
ABS Globel, Inc.
6908 River Road, Box 459
DeForest, WI 53532

Dear Dr. Bishop:

Enclosed is Amendment No. 03 to your NRC Material License No. 48-26589-01 in accordance with your request. Please note that, as stated in our letter dated May 7, 1996, the expiration date of your license has been extended five years.

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).
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;

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- 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
Charles F. Gill
Nuclear Materials Licensing Branch

License No.: 48-26589-01

Docket No.: 030-33580

Enclosure: Amendment No. 03

DOCUMENT NAME: M:\03033580.CL6

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

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| OFFICE | DNMS/RIII | E | | | | | | | |
| NAME | CGILL:jaw | | | | | | | | |
| DATE | 11/13/96 | | | | | | | | |

OFFICIAL RECORD COPY



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

November 5, 1996

Michael D. Bishop, Ph.D.
Radiation Safety Officer
ABS Global Incorporated
6908 River Road, P. O. Box 459
Deforest, WI 53532

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 11/01/96)

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 ☒ Amendment ☐ Renewal
☐ Termination ☐ Auth User (Amendment not required)
☐ Other _____

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

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

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. 302015
License No. 48-26589-01