

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

14-20402-01

Docket or Reference number

030-18350

Amendment No. 01

Pioneer Hi-Bred International, Inc.
7300 NW 62nd Avenue
Johnston, IA 50131

In accordance with letter dated April 29, 1985, License Number 14-20402-01 is amended as follows:

Items 6., 7., 8. and 9. are amended to read:

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. Hydrogen-3

A. Any

A. 500 millicuries

B. Carbon-14

B. Any

B. 900 millicuries

C. Phosphorus-32

C. Any

C. 900 millicuries

D. Iodine-125

D. Any

D. 12 millicuries

E. Sulfur-35

E. Any

E. 900 millicuries

9. Authorized Use

A. through E. To be used for research and development as defined in 30.4(q) of
10 CFR Part 30.

Conditions 12. and 15. are amended to read:

12. A. Licensed material listed in Item 6 above is authorized for use by, or under the
supervision of, the following individual(s) for the materials indicated:

Authur K. Weissinger, Ph.D.

Hydrogen-3, carbon-14,
phosphorus-32, iodine-125,
and sulfur-35

Steven P. Briggs, Ph.D.

Hydrogen-3, carbon-14,
phosphorus-32 and sulfur-35

Marc C. Albertsen, Ph.D.

Hydrogen-3, carbon-14,
phosphorus-32 and sulfur-35

Dwight T. Tones, Ph.D.

Hydrogen-3 and carbon-14

Hanna A. Hill, Ph.D.

Hydrogen-3, carbon-14 and
phosphorus-32

John E. Hill, Ph.D.

Iodine-125

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14-20402-01 PDR

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Amendment No. 01

G. Richard Bass, B.A.

Hydrogen-3, carbon-14,
phosphorus-32, iodine-125
and sulfur-35

Larry R. Beach, Ph.D.

Hydrogen-3, carbon-14,
phosphorus-32, iodine-125
and sulfur-35

Jonathan P. Duvick, Ph.D.

Hydrogen-3, carbon-14
and sulfur-35

David M. Grant, Ph.D.

Hydrogen-3, carbon-14,
phosphorus-32, iodine-125
and sulfur-35

Gary H. Huffman

Hydrogen-3, carbon-14
and phosphorus-32

Barry A. Martin

Hydrogen-3, carbon-14
and phosphorus-32

B. The Radiation Protection Officer for the activities authorized by this license is Arthur K. Weissinger, Ph.D.

15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in letter dated June 22, 1983 with attached application; and letters dated August 30, 1983 and April 29, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

Condition 16. is added:

16. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 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 ten (10) half-lives.
 - B. Prior to disposal as normal waste, radioactive waste shall be monitored to determine that its radioactivity cannot be distinguished from background with typical low-level laboratory survey instruments. All radiation labels will be removed or obliterated.

For the U.S. Nuclear Regulatory Commission

Original Signed

By B.J. Holt

Materials Licensing Section, Region III

Date July 9, 1985

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