MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
SNM-7

Docket or Reference number
070-00008

Amendment No. 06

Battelle Columbus Division
505 King Avenue
Columbus, OH 43201-2693

In accordance with letter dated October 11, 1994, License Number SNM-7 is amended as follows:

Items 6., 7. and 8. are amended to add:

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
Special Nuclear Material		
West Jefferson Site		
A. Uranium enriched in the U-235 isotope -- irradiated	A. Any	A. 100 grams of contained U-235 plus the associated and unseparated plutonium
B. Uranium enriched in the U-235 isotope -- unirradiated	B. Any	B. 50 grams of contained U-235
C. Plutonium (Pu-238 principal isotope)	C. Sealed source	C. 13 grams
D. Plutonium (Pu-239 principal isotope)	D. Oxide	D. 17 grams
E. Plutonium (Pu-238 principal isotope)	E. PuBe Source	E. 0.053 grams
F. Plutonium (Pu-239 principal isotope)	F. PuBe Source	F. 80.7 grams
King Avenue Site		
G. Uranium enriched in the U-235 isotope -- unirradiated	G. Any	G. 50 grams of contained U-235

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Source Material

West Jefferson and King Avenue Sites

H. Uranium (natural and depleted) and thorium	H. Any	H. 300 kilograms

Byproduct Material

West Jefferson Site

I. Any byproduct material	I. Irradiated fuel material, activated reactor materials and components	I. 10,000 Ci total, not more than 1000 Ci of any one radioisotope (excluding Items J through S below)
J. Hydrogen-3	J. Any	J. 500 Ci
K. Polonium-210	K. Any	K. 500 Ci
L. Californium-252	L. Any	L. 500 Ci
M. Sulfur-35	M. Gas	M. 1000 Ci
N. Chlorine-36	N. Gas	N. 1000 Ci
O. Iodine-131	O. Any	O. 1000 Ci
P. Iodine-129	P. Any	P. 60 Ci
Q. Cobalt-60	Q. Any	Q. 5000 Ci
R. Cesium-137	R. Any	R. 5000 Ci
S. Strontium-90	S. Any	S. 5000 Ci
T. Carbon-14	T. Any	T. 3 Ci
U. Krypton-85	U. Gas	U. 60 Ci
V. Americium-241	V. Any	V. 10 millicuries
W. Nickel-63	W. Any	W. 100 Millicuries
X. Americium-241	X. Sealed source (CPN Model No. 131)	X. One source not to exceed 50 millicuries
A.A. Carbon-14	A.A. Any	A.A. 2 Ci

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King Avenue Site

Y. Any byproduct material	Y. Any	Y. 500 Ci total, not more than 35. Ci of any one radioisotope
Z. Iridium-192	Z. Any	Z. 150 Ci

Conditions 9. and 10. are amended to read:

9. Authorized Places of Use:

A. The licensee's West Jefferson Site and King Avenue Laboratories located as described in pages vii through xi and pages 2.1 through 2.5, Part II, of the licensee's application for renewal submitted by letter dated October 23, 1981.

B. Licensed material listed in Item 6.U. may be stored only at the licensee's facility located at the BMI West Jefferson Facility.

C. Licensed material listed in Items 6.V, 6.W and 6.A.A. may be used only at the licensee's West Jefferson facility.

D. Licensed material listed in Item 6.X may be stored at the 29 Palms Marine Base, 29 Palms California and 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.

10. Authorized Use:

a. For use in accordance with statements, representation and conditions contained in the following portions of the licensee's application for renewal (BCL Document 1081) submitted by letter dated October 23, 1981, except as may be modified by the conditions of this license:

1. Pages vi through xi, Introduction;
2. Part I, License Conditions;
3. Appendix A, Radiological Safety Committee Charter;

and

letters dated June 29, 1994, and August 19, 1994.

b. Conduct controlled field studies using up to a maximum of 3 curies of carbon-14 labelled compounds at the licensee's West Jefferson, Ohio site.

The effective pages of these portions of the application shall be those identified in Annex A that is attached to this license.

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c. The principal use for Items A. and B. under Conditions 6., 7., and 8. are as residual contamination in the Hot Cells of the West Jefferson Facility Building JN-1.

d. The principal uses for Item H under Conditions 6., 7., and 8. are use as residual contamination at BMI's King Avenue and West Jefferson facilities, and as sealed source shielding.

e. Items E. and F. under Conditions 6., 7., and 8. have been transferred to the license from DOE inventory to be used for calibration.

f. Item U. is for storage only pending disposal.

g. Items V. and W. are for research and development activities as described in letters dated June 29, 1994 and August 19, 1994.

h. Item X is for use in a Campbell Pacific Nuclear Model 503 portable moisture/density gauge.

i. Item A.A. is to be used for research and development as described in 10 CFR 30, Section 30.4.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 10/17/94

By [signature]
Materials Licensing Section, Region III