

MAR 5 1964

DLR:RLI  
70-820

United Nuclear Corporation  
Chemicals Operations  
3600 North Second Street  
St. Louis, Missouri

Attention: Mr. C. W. Kuhlman  
Manager, Chemical Operations

Gentlemen:

Enclosed is Special Nuclear Material License No. SNM-777. Since this license incorporates the procedures for receipt and storage of pickle liquors authorized by License No. SNM-763, issued January 9, 1964, License No. SNM-763 is hereby terminated.

Please note that Item 12 does not authorize the shipment of solutions containing special nuclear materials nor does it authorize transshipment or intermediate unloading of any special nuclear material shipment. Procedures for transshipment or intermediate unloading may be submitted as an application for amendment of this license. Such procedures should include commingling control during unloading, storage, if applicable, and loading of such shipment at each transshipment or unloading point, as well as during transit. Also, please note that Item 13 requires that you submit within 90 days after start up of each area (1) the results of the initial survey program for airborne radioactivity and liquid waste effluent, and (2) the proposed program for subsequent surveys including frequency of such surveys.

You will note in Item 14 that this license does not authorize you to make any changes in equipment or procedures involving special nuclear material other than maintenance or replacement with like equipment without obtaining a license amendment. In order to consider the proposal in Section 207.2 of your application for making certain changes in your operations without obtaining a license amendment, we require the kind of information specified in our letter dated March 22, 1963. A copy of this letter is enclosed.

Regarding your request in the application dated November 27, 1963, that certain drawings, sketches, and calculations be withheld from public disclosure, the Commission has determined that public inspection of these drawings, sketches, and calculations is not required in the public interest and such disclosure would adversely affect the

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interest of the United Nuclear Corporation. Accordingly, these drawings, sketches, and calculations are being withheld from public inspection as provided in Section 2.790(b) of 10 CFR 2, "Rules of Practice". Such withholding from public inspection shall not, however, affect the right, if any, of persons properly and directly concerned to inspect these drawings, sketches, and calculations.

FOR THE ATOMIC ENERGY COMMISSION

Eber R. Price  
 Assistant Director  
 Division of Licensing and Regulation

Enclosures:

1. SNM-777
2. Copy of March 22, 1963 letter

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UNITED STATES  
ATOMIC ENERGY COMMISSION

SPECIAL NUCLEAR MATERIAL LICENSE

COPY

MAR 5 1964

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 70, "Special Nuclear Material Regulations," a license is hereby issued authorizing the licensee to receive and possess the special nuclear material designated below; to use such special nuclear material for the purpose(s) and at the place(s) designated below; and to transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 70.32(a) of said regulations, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee		3. License No. SNM-777
1. Name	United Nuclear Corporation	4. Expiration Date March 31, 1967
2. Address	Chemical Operations 3600 North Second Street St. Louis, Missouri	5. Docket No. 70-820
6. Special Nuclear Material  Uranium enriched in the U <sup>235</sup> isotope.	7. Maximum quantity of special nuclear material which licensee may possess at any one time under this license.  Two thousand (2,000) kilograms.	
8. Authorized use For use in accordance with the procedures described in the licensee's application dated November 27, 1963, and supplements dated January 6, January 31, February 4, February 21, and March 3, 1964; except (1) as otherwise provided by conditions of this license, and (2) that (cont'd)		
9. Quantity of special nuclear material allocated to licensee pursuant to Section 70.31(b) of said part  - - - - -		

CONDITIONS

10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.  
Authorized place of use: The licensee's Scrap Recovery Plant  
Wood River Junction, Rhode Island
11. Pursuant to 10 CFR 40, the licensee is hereby authorized to possess those quantities of source material (except Thorium-228) which are required for the purposes specified in the application.

MATERIAL LICENSE  
Supplementary Sheet

License Number SNM-777

- 12. Pursuant to 10 CFR 71, the licensee is hereby authorized to ship special nuclear materials in accordance with the procedures described in Section 700 of his application dated November 27, 1963, and supplement dated February 24, 1964, (submitted as an amendment to the shipping procedures described in the application dated July 15, 1963, for renewal of SNM-33), except that this authorization does not extend to the shipment of solutions containing special nuclear material. This authorization does not authorize transshipment or intermediate unloading of any shipment of special nuclear material.
- 13. Within ninety (90) days after start up of each area the licensee shall submit to the Division of Licensing and Regulation, (1) the results of the survey programs for airborne radioactivity in the plant and concentrations of radioactivity in the liquid waste effluent from the lagoon and (2) a proposed future survey program, including the minimum sampling frequency.
- 14. This license does not authorize the licensee to make any changes in equipment or procedures involving special nuclear material other than maintenance or replacement with like equipment.
- 8. (Cont'd) - exemptions or specific authorizations pursuant to Commission regulations are not authorized unless provided by conditions of this license.

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Date MAR 5 1964

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*3/5/64*

For the U. S. Atomic Energy Commission

by \_\_\_\_\_  
Division of Licensing and Regulation  
Washington 25, D. C.