

MATERIALS LICENSE

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 1, Parts 30, 31, 32, 33, 34, 35, 36, 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); and to import such byproduct and source material. 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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| Licensee | |
| 1. Stepan Chemical Company | 3. License number STC-1333 |
| 2. 100 West Hunter Avenue Maywood, New Jersey 07607 | 4. Expiration date April 30, 1983 |
| | 5. Docket or Reference No. 040-08610 |
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form |
| Thorium | Alkaline Thorium Phosphate Tailings |
| | 8. Maximum amount that licensee may possess at any one time under this license |
| | As contained in 9,500 cubic yards of buried tailings |

9. Authorized use

Underground storage at Stepan Chemical Company, 100 West Hunter Avenue, Maywood, New Jersey.

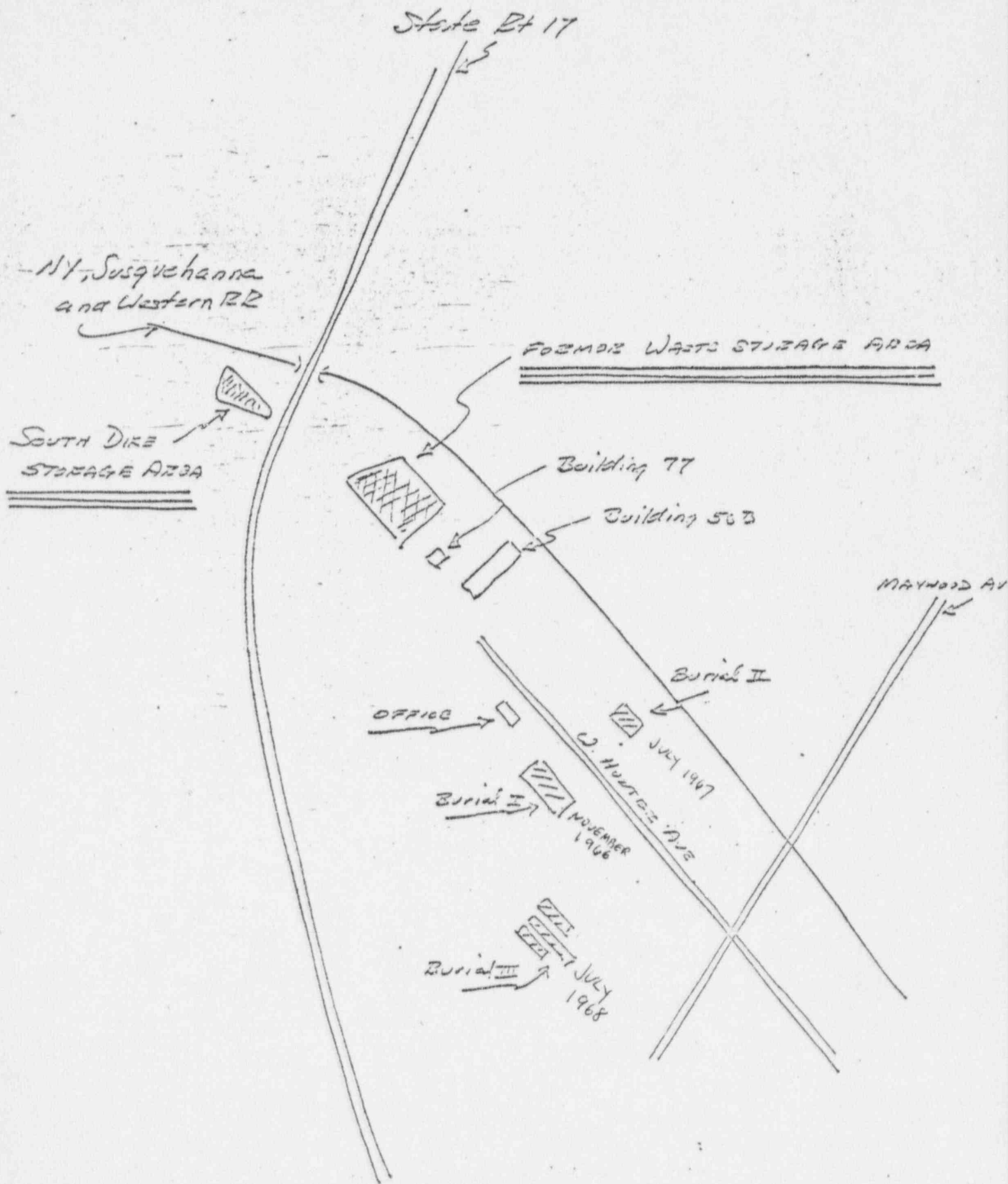
CONDITIONS

- 10. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
- 11. The underground storage shall be under the supervision of, E. A. Swanson.
- 12. 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 application dated March 2, 1977.

For the U. S. Nuclear Regulatory Commission
Original Signed By
NATHAN BASSIN
by Radioisotopes Licensing Branch
Division of Materials and Fuel Cycle
Facility Licensing
Washington, D. C. 20555

Date APR 4 1978

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Sketch of Stepan Chemical Co. Properties.