

Inventory Record Report for 06-17718-01

License Number: 06-17718-01 Docket Number: 30-13216 Part: 30 Job/Box: 2097 / 02 Accession Number:

Licensee: NOVO NORDISK BIOINDUSTRIALS, INC.

Address: 33 TURNER ROAD, P.O. BOX 1907

City: DANBURY

State: CT

Zip Code: 06813

Site Information

Description of Site of Operation: LICENSEE'S FAC. @ 59 DANBURY RD & 33 TURNER RD., DANBURY, CT

Primary State of Operation: CT NRC Region: I Facility: LABORATORY - RESEARCH - BIOLOGICAL

License Information (Termination/Expiration)

Original License Missing from File? No License Originally Issued on 11/4/77

License Expired? No Expiration Date:

License Terminated? Yes Termination Date: 9/16/92

Termination Amendment Issued? Yes NRC Letter Indicating Termination? Yes Licensee Requested Termination? No

Civil Defense License? No Import Only License? No Export Only License? No No Authorization to Possess OR For Distribution Only? No

License Application Information

Application with Info on Intended Use? Yes Waste Generation or Disposal? Yes Other Important Information? Yes

Supporting Information on Application:

MATERIAL USED FOR RESEARCH AND DEVELOPMENT: IMMUNOASSAY- PROTEINS/ENZYMES; METABOLIC TRACER- MICROBIAL

A LICENSED COMMERCIAL VENDOR IS TO BE USED FOR DISPOSAL OF SOLID WASTES. LIQUID WASTES WILL BE DILUTED FOR SEWER DISPOSAL IN COMPLIANCE WITH 10 CFR PART 20.

MONITORING OF EXPERIMENTS WILL BE ACCOMPANIED BY SMEAR TECHNIQUES AND THE LIQUID SCINTILLATION COUNTER. THE CONSULTANT WILL PERFORM QUARTERLY SURVEYS OF WORK AREAS AND REPORTS WILL BE MAINTAINED ON FILE BY THE RSO.

License Transfer Information (Superseded/Agreement State)

Transferred to General License? No Transferred to Agreement State? No Agreement State Code:

Covered or Superseded? No Superseding License Number:

Additional Notes on License Transfer:

License Closeout Information

Telephone Contact Regarding Closeout? No NRC Verification Letter? No NRC Closeout Inspection? Yes Noted Problems on Inspection Report? No

Closeout Survey Performed? Yes By NRC/AEC or Gov't Contractor? No By Licensee? No By Licensee Contractor? Yes

Licensed Materials Disposition Information

Certificate of Disposition or Status? Yes

Licensee Letter on Disposition? Yes Contents: SURVEY REPORT 8/20/92: I-125 DISPOSED OF INTO SANITARY SEWER SYSTEM.

Other Document with Disposition Info? Yes Description: DISPOSAL MANIFESTS 5/19/87; LTR 6/19/87: RADIAC RESEARCH REMOVED MATL

No Possession Indicated? No Disposal by Decay Indicated? No Disposal by Incineration Indicated? No

Mat'l Transferred or Sold? No To: License Number:

Sent Offsite for Disposal? Yes To: RADIAC RESEARCH INC.

Other Means:

Disposal Information

Was 10 CFR 20 Disposal Mentioned? Yes Other Onsite Disposal (Burial, Sewer, Dumping) Mentioned? No

Comments/Other Information

Other Licenses Contained in the File:

General Comments:

Inventory Record Comments:

NAME AND ADDRESS WHEN LICENSE WAS ISSUED WAS NOVO LABORATORIES INC. 59 DANBURY ROAD, WILTON, CT. IT WAS CHANGED TO NOVO LABORATORIES, INC., 33 TURNER ROAD, DANBURY, CT ON AMENDMENT NUMBER 4.

Reviewer: BWK

Listed On Form 35? Yes

Record Entered: 10/9/96

Record Last Updated: 9/10/97

B/17

**THIS SITE AND LICENSE WERE REMOVED FROM EVALUATION
REASON FOR REMOVAL: Material score below 1; no maj**

INVENTORY SYSTEM REPORT

--- FIRST INVENTORY RECORD FOR LICENSE

Master identifier for license: 06-17718-01 209702

Docket Number : 30-13216

LISTED FILE LOCATION: JOB NUMBER: 2097

BOX NUMBER: 2

Licensee: NOVO NORDISK BIOINDUSTRIALS, INC.

Street Address: 33 TURNER ROAD, P.O. BOX 1907

City: DANBURY State(adrs): CT Zip: 06813

Facility type: LABORATORY - RESEARCH - BIOLOGICAL

SITE(S): NOVO, 33 TURNER ROAD ; NOVO, 59 DANBURY ROAD ;

----- Information regarding administrative transfer, or administrative removal

There was no information in this category for this inventory record

----- Site Information in Inventory Record

Principal state of operation: CONNECTICUT REGION I

Site info in inventory record:

LICENSEE'S FAC. @ 59 DANBURY RD & 33 TURNER RD., DANBURY, CT

----- Information regarding Disposition of Licensed Materials

Disposition information present: LETTER AND OTHER DOCUMENT

There was a letter with disposition information recorded in the file

Contents of letter:

SURVEY REPORT 8/20/92: I-125 DISPOSED OF INTO SANITARY SEWER SYSTEM

Contents of other disposition information: DISPOSAL MANIFESTS 5/19/87

There was some reference in this file

to disposal in accordance with 10CFR20

Other information about disposition:

DISPOSAL MANIFESTS 5/19/87

----- Closeout Information in Inventory Record

A closeout survey was conducted for this license by: A CONTRACTOR ;

There is an NRC inspection report in this license file

----- Application Information in Inventory Record

There is a licensee application contained in the license file.

APPLICATION PROVIDES INFORMATION ON THE INTENDED USE FOR MATERIAL

APPLICATION PROVIDES INFORMATION ON INTENDED WASTE DISPOSAL PRACTICES

APPLICATION PROVIDES INFORMATION PERTINENT TO THE REVIEW PROCESS

----- ISSUANCE AND TERMINATION DATES

The listed date of issuance for this license is: 11/04/77

License listed as *TERMINATED* on 09/16/92

This license *WAS* listed on NRC'S form 35 listing for the box.

----- **End of Inventory record for 2097/02**

---- BEGINNING REPORT FOR EXPERT SYSTEM DETAIL EVALUATION ----

Reviewer's initials: BWK

Date of evaluation: 09/10/97

Initial materials-based Site Score estimate: 0.23
NO FINAL SITE SCORE FOR THIS LICENSE

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Materials AUTHORIZATIONS -- Materials With HALF-LIFE ABOVE 3 MONTHS

| Slid/Loose | Spec Form | SLD Accted? | Activity/amt. | Matl.Score | Material |
|------------|-----------|-------------|---------------|------------|----------|
| LOOSE | UNK/ANY | Not appl. | 0.050 | CI 0.0 | H-3 |
| LOOSE | UNK/ANY | Not appl. | 0.020 | CI 0.300 | C-14 |

² Entry of matls with half-life > 3 months is required. Entry of short-lived materials is elective

--- End of the Materials Possession Report ---

---The evaluator's memo for materials possession: *Also licensed were 1 millicurie of I-125 in any form and 12 millicuries in prepackaged test kits. Possession limit for tritium was reduced from 50 millicuries to 10 millicuries on Amendment Number 2.*

SUMMARY OF SITE INFORMATION

The TOTAL NUMBER OF SITES evaluated under the license was: 2

1. Name of site is-NOVO, 33 TURNER ROAD . Score for site is - 0.0
2. Name of site is-NOVO, 59 DANBURY ROAD . Score for site is - 0.0

THIS LICENSE WAS ELIMINATED FROM DETAILED SITE CONSIDERATION.

REASON FOR REMOVAL: Material score below 1; no maj

EVALUATOR'S DESCRIPTION OF THE SITE OR SITES

- 1st site: Novo Nordisk Bioindustrials, Inc., 33 Turner Road, Danbury, CT
- 2nd site: Novo Laboratories, Inc., 33 Turner Road, Danbury, CT

SITE NUMBER 1

CHARACTERISTICS OF THE SITE: NOVO, 33 TURNER ROAD

THERE WERE OPERATIONS CONDUCTED IN BUILDINGS

NO ACTUAL OUTDOOR OPERATIONS were noted

No significant OUTDOOR releases or contamination were NOTED

NO use of transportation equipment at site was noted

NO significant use of machinery or equipment was noted

NO evidence or implication of WASTE generation found

NO evidence of MEANINGFUL ONSITE DISPOSAL was noted
There is information available regarding CLEANUP OR DECOMMISSIONING
There WAS use of LOOSE material at the site

-----SITE CLOSURE: This site was CLOSED OUT AT OR NEAR license termination

----- A detailed evaluation was NOT REQUIRED for this site -----

SITE NUMBER 2

CHARACTERISTICS OF THE SITE: NOVO, 59 DANBURY ROAD

THERE WERE OPERATIONS CONDUCTED IN BUILDINGS
NO ACTUAL OUTDOOR OPERATIONS were noted
No significant OUTDOOR releases or contamination were NOTED
NO use of transportation equipment at site was noted
NO significant use of machinery or equipment was noted
There was evidence of WASTE generation or intent to generate
NO evidence of MEANINGFUL ONSITE DISPOSAL was noted
There is information available regarding CLEANUP OR DECOMMISSIONING
There WAS use of LOOSE material at the site

-----SITE CLOSURE: This site was CLOSED OUT BEFORE license termination

----- A detailed evaluation was NOT REQUIRED for this site -----

LOOSE MATERIAL (SITE) SCORING REPORT

Because there were LOOSE materials authorized, the report will include information available leading to the calculation of the FINAL Site score. The Site evaluation routine begins with the OVERALL LOOSE HAZARD score and continues It proceeds UNTIL

-- the OVERALL site score becomes very low,
OR

the detailed evaluation is complete and EACH SITE is evaluated in several categories, and category scores assigned.

IN many instances there is a combination of

- ❖ Low LOOSE material Hazard scores (indicating low material hazard for materials possessed in loose or any form)
- and
- ❖ NO information regarding activities that would be likely to produce significant onsite contamination

■ FOR THIS LICENSE, BOTH THE LOW INITIAL SITE SCORE OF 0.23
■ and a LOW FINAL SITE SCORE indicate BOTH conditions probably were satisfied.

A detailed SITE evaluation WAS NOT NECESSARY for this license.

-- BASIC CONCLUSIONS ABOUT LICENSE and MATERIALS SCORING ---

1. The evaluator's memo for materials possession: *Also licensed were 1 millicurie of I-125 in any form and 12 millicuries in prepackaged test kits. Possession limit for tritium was reduced from 50 millicuries to 10 millicuries on Amendment Number 2.*

2. There were no meaningful releases noted for tritium authorized under this license.

3. The evaluator indicated some evidence existed of a practice of onsite SEWER DISPOSAL. Questions of the extent and seriousness will be addressed in the subsequent evaluation.

4. In the LOOSE materials authorizations the form of the material H-3 was specified as ANY, This is presumed to be loose material. (Alternatively, there were no specification of authorized form available). No change in score for H-3 was made on the basis of this specification.

5. In the LOOSE materials authorizations the form of the material C-14 was specified as ANY, This is presumed to be loose material. (Alternatively, there were no specification of authorized form available). No change in score for C-14 was made on the basis of this specification.

6. The FACILITY TYPE under this license is designated as: LABORATORY - RESEARCH - GENERAL. This choice does affect the initial loose material (site) score.

7. The evaluator specified that the facility/activity for this license was a LOW-RISK operation. Consequently the current materials score is being lowered to 0.23

8. The materials score for this license is below 1, and the evaluator has determined that there are NO overriding indications of site contamination that prevent the system from terminating the site evaluation here. The final site score will be set to zero, and the license eliminated from further site consideration

NO SPECIFIC SITE REVIEW CONCLUSIONS WERE RECORDED NOVO, 33 TURNER ROAD

NO SPECIFIC SITE REVIEW CONCLUSIONS WERE RECORDED NOVO, 59 DANBURY ROAD

EVALUATOR'S COMMENTS

EVALUATOR'S DESCRIPTION OF THE SITE OR SITES

- 1st site: *Novo Nordisk Bioindustrials, Inc., 33 Turner Road, Danbury, CT*
- 2nd site: *Novo Laboratories, Inc., 33 Turner Road, Danbury, CT*

Description of LICENSEE'S ACTIVITY

- *At the Turner Road site the only isotope present was I-125 which was contained in market*

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- ready, medical research kits. It was stocked for eventual resale. Material was not
 - repackaged.
 - At the Danbury Road site licensed materials were used for research and development as
 - defined in Section 30.4(q) of 10 CFR Part 30.
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GENERAL COMMENTS ABOUT THIS LICENSE

- A detailed evaluation of this license was not necessary based on low material score and
- adequate closeout surveys. According to letter dated 6/19/87, Radiac Research Inc. removed
- licensed material from the 33 Turner Road site and transferred it to state of Washington
- disposal site on May 19, 1987. I-125 which was the only material used at the Danbury Road
- site was disposed of into the sanitary sewer system according to the closeout survey report
- dated 8/20/92.