

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NM55
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS. IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION B
631 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA,
PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR
WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
NUCLEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR
WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA,
NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH,
OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON,
AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS
TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1 THIS IS AN APPLICATION FOR (Check appropriate item)

- ☐ A. NEW LICENSE
☐ B. AMENDMENT TO LICENSE NUMBER _____
☒ C. RENEWAL OF LICENSE NUMBER 20-17520-01

2 NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Ocean Spray Cranberries, Inc.
Research and Development
Bridge Street
Middleboro, MA 02346

3 ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Ocean Spray Cranberries, Inc.
Research and Development
Bridge Street
Middleboro, MA 02346

4 NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Elia D. Coppola

TELEPHONE NUMBER

(617)-947-4940, Ext. 142

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5 RADIOACTIVE MATERIAL

a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6 PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7 INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

8 TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

9 FACILITIES AND EQUIPMENT.

10 RADIATION SAFETY PROGRAM.

11 WASTE MANAGEMENT.

12 LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY N-Ion Generators AMOUNT ENCLOSED \$ 120.00

13 CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT

I, APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, ET. STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE - CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

[Signature]

Dr. Martin S. Starr

Director-Food Research

4/29/87

14 VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS

<input type="checkbox"/> <\$250K	<input type="checkbox"/> \$1M-3.5M
<input type="checkbox"/> \$250K-500K	<input type="checkbox"/> \$3.5M-7M
<input type="checkbox"/> \$500K-750K	<input type="checkbox"/> \$7M-10M
<input type="checkbox"/> \$750K-1M	<input type="checkbox"/> >\$10M

b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

c. NUMBER OF BEDS

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or man-hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial--proprietary--information furnished to the agency in confidence)

☐ YES

☐ NO

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

APPROVED BY

DATE

REN

May 9

3P

B709090455 B70526
REG1 LIC30
20-17520-01 PDR

[Signature]

AMOUNT RECEIVED

CHECK NUMBER

\$120

V32976

107198

5/13/87

Attachment I

5. Radioactive Material

- a) Element and Mass Number - Nickel 63
- b) Chemical and/or Physical Form - Foil contained in Hewlett-Packard Model 18713A Detector Cell
- c) Maximum Amount Which Will Be Possessed At Any One Time - Not to exceed 15 millicuries per foil

6. Purposes For Which Licensed Material Will Be Used

Authorized for use in Hewlett-Packard Gas Chromatograph for sample analysis.

7. Individual Responsible for Radiation Safety Program and Their Training Experience

- a) Licensed material shall be used by, or under the supervision of Elia D. Coppola, Ph.D. or Martin S. Starr, Ph.D.
- b) Training and experience of each individual named in Item #7.

1. ELIA D. COPPOLA - Ph.D. Analytical Chemistry, Rennselaer Polytechnic Institute, Troy, NY 1972.

Attended courses in Nuclear Chemistry, Advanced Physical Chemistry and Physics I and Physics II. The courses included principles and practices of radiation protection; radioactivity measurement; standardization and monitoring techniques and instruments; mathematics and calculations basic to the use and measurement of radioactivity and biological effects of radiation.

Practical experience in the use of Nickel 63 electron capture detector (Hewlett-Packard) No. 18713 while working as Research Chemist at the Connecticut Agricultural Experiment Station, New Haven, CT. Used for the last ten years (1977-1987) the Hewlett-Packard 5738A Gas Chromatograph equipped with Nickel 63 Electron Capture Detector No. 18713A.

2. MARTIN STARR - Ph.D. Food Science, University of Massachusetts, 1972.

Attended courses in Physics I and Physics II, Physical Chemistry, and Biochemistry, which included principles and practices of radiation protection; radioactivity measurement standardization and monitoring techniques and instruments; mathematics and calculations basic to the use and measurement of radioactivity and biological effects of radiation.

Attachment I (cont.)

Attended intensive formal course in Radiation Safety as applied to food products as an Inspector of United States Food and Drug Administration.

Supervised use of Hewlett-Packard Model 5738A Gas Chromatograph equipped with Nickel 63 Electronic Capture Detector No. 18716A for the last ten years (1977-1987).

8. Training For Individuals Working In or Frequenting Restricted Areas

Only qualified personnel expert in Safety Radiation Program and named in Item #7 will use the Gas Chromatograph.

9. Facilities and Equipment

Modern analytical chemistry laboratory, equipped with OSHA approved safety features, special storage cabinets for solvents, and three fume hoods. Effluent gas from Gas Chromatograph Vent will be piped into a fume hood at all temperatures.

10. Radiation Protection Program

Leak test of the sealed Electron Capture Detector will be performed with Hewlett-Packard No. 18713-60060 leak test kit at six month intervals.

11. Waste Management

Waste material will be returned to supplier, Hewlett-Packard Company, Route 41 Starr Road, Avondale, Pennsylvania 19311.

BETWEEN: C. James Holloway, Chief
License Fee Management Branch
Office of Resource Management

John E. Glenn, Chief
Nuclear Materials Safety & Safeguards Section B
Division of Radiation Safety and Safeguards

030-12887

03123

5/87

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee:

Ocean Spray Cranberries, Inc.

Application Dated:

4-29-87

Control No.:

107198

License No.:

20-17520-01

2. FEE ATTACHED

Amount:

\$120

Check No.:

32976

3. COMMENTS

Signed

SLJ

Date

5-4-87

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount:

3P

\$120

2. Correct Fee Paid. Application may be processed for:

Amendment

Renewal

✓

License

Signed

J. Kimberly

Date

5/13/87